| | Field | Acres | Buffer | Net Ac. | Latitude | Long. | FSN# | Tract | Field | Tax ID # | RPC# |
|---------|---------|--------|--------|---------|----------|---------|------|-------|--------|----------|----------|
| Shannon | RO80-1 | 6.4 | 1.4 | 5.0 | 37.222 | -79.678 | 4963 | 6895 | 2 | 194 A 31 | 19403800 |
| Simmons | RO80-2 | 6.4 | 1.1 | 5.3 | 37.221 | -79.677 | 4963 | 6895 | 2-3 | 194 A 31 | 19403800 |
| | RO80-3 | 5.2 | 1.6 | 3.6 | 37.221 | -79.676 | 4963 | 6895 | 3 | 194 A 31 | 19403800 |
| | RO80-4 | 6.2 | 3.4 | . 2.8 | 37.221 | -79.675 | 4963 | 6895 | 4 | 194 A 31 | 19403800 |
| | RO80-5 | 13.9 | 3.0 | 10.9 | 37.222 | -79.674 | 4963 | 6895 | 9 | 194 A 31 | 19403800 |
| | RO80-6 | 6.5 | 1.7 | 4.8 | 37.224 | -79.675 | 4963 | 6895 | 8 | 194 A 31 | 19403800 |
| | RO80-7 | 7.2 | 3.6 | 3.6 | 37.222 | -79.671 | 4963 | 6895 | 10 | 194 A 31 | 19403800 |
| | RO80-8 | 22.0 | 6.8 | 15.2 | 37.224 | -79.671 | 4963 | 6895 | 10 | 194 A 31 | 19403800 |
| | RO80-9 | 9.9 | 3.0 | 6.9 | 37.222 | -79.682 | 4963 | 6869 | 8 | 194 A 32 | 19403900 |
| | RO80-10 | 33.2 | 7.9 | 25.3 | 37.220 | -79.682 | 4963 | 6869 | 1 & 8 | 194 A 32 | 19403900 |
| | RO80-11 | 24.8 | 3.6 | 21.2 | 37.219 | -79.684 | 1142 | 1711 | 5 | 194 A 36 | 19404600 |
| | RO80-12 | 9.4 - | 2.6 | 6.8 | 37.218 | -79.683 | 1142 | 1711 | 2 | 194 A 36 | 19404600 |
| | 2000 43 | 20.7 | 6.3 | 144 | 27.240 | 70.697 | 4062 | 1710 | 1 | 194 A 15 | 19401600 |
| | RO80-13 | 20.7 | 6.3 | 14.4 | 37.218 | -79.687 | 4963 | 1710 | | 194 A 16 | 19401700 |
| | 2000 44 | 20.4 | 67 | 24.7 | 27.240 | 70.600 | 4052 | 4740 | | 194 A 15 | 19401600 |
| | RO80-14 | 38.4 | 6.7 | 31.7 | 37.218 | -79.688 | 4963 | 1710 | 1 | 194 A 16 | 19401700 |
| | RO80-15 | 67.8 ` | 30.2 | 37.6 | 37.213 | -79.681 | 4210 | 3995 | 1-5 | 194 A 43 | 19405500 |
| | RO80-16 | 26.9 | 9.2 | 17.7 | 37.203 | -79.689 | 4963 | 6881 | 20 | 208 A 4 | 20800300 |
| | RO80-17 | 7.9 | 3.8 | 4.1 | 37.204 | -79.693 | 4963 | 6881 | 20 | 208 A 1 | 20800000 |
| | RO80-18 | 9.3 | 2.9 | 6.4 | 37.205 | -79.696 | 4963 | 6881 | 6 | 208 A 2 | 20800100 |
| | RO80-19 | 3.4 | 2.0 | 1.4 | 37.204 | -79.695 | 4963 | 6881 | 6 | 208 A 2 | 20800100 |
| | RO80-20 | 7.6 | 2.1 | 5.5 | 37.202 | -79.695 | 4963 | 6881 | 12 | 208 A 1A | 90505219 |
| | RO80-21 | 12.4 | 2.9 | 9.5 | 37.203 | -79.697 | 4963 | 6881 | 16 | 208 A 2 | 20800100 |
| | RO80-22 | 5.5 | 3.7 | 1.8 | 37.201 | -79.699 | 4963 | 6881 | 7 & 11 | 208 A 3A | 20800201 |
| | RO80-23 | 28.9 | 12.7 | 16.2 | 37.201 | -79.703 | 4963 | 6881 | 1 | 208 A 3A | 20800201 |
| | TOTALS | 379.9 | | 257.7 | | | | - | | | |

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

| PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS | | | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------|--|--|--|--|
| A. This land application agreement is made on ///3/2015 between Corolly Simmore ferred to here as "Landowner", and Bro. Domine St. This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement. | | | | | | | |
| Landowner: | | ^ ^ / | | | | | |
| The Landowner is the own the agricultural, silvicultural attached as Exhibit A. | al or reclamation sites identific | erty located in Sections (tylied below in Table 1 and identifi | ned on the tax map(s) | | | | |
| Table 1.: Parcels aut | thorized to receive biosolids, | , water treatment residuals or o | | | | | |
| Tax Parcel ID | Tax Parcel ID | Tax Parcel ID | Tax Parcel ID | | | | |
| | | 194 A 16 | 19401700 | | | | |
| | | 194 A 15 | 19401600 | | | | |
| ************************************** | | 194 A 36 | 19404600 | | | | |
| | 1 | 194 A 32 | 19403900 | | | | |
| · | | 194 A 31 | 194 03 800 | | | | |
| The Additional parcels containing lar | Cites am Identified of | n Supplement A (check if applicable) | 1/1/ 4/ 1/ - | | | | |
| Check one: The | e Landowner is the sole own le Landowner is one of multip | ner of the properties identified hiple owners of the properties ide | entified herein. | | | | |
| In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall: Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and Notify the Permittee of the sale within two weeks following property transfer. The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect. | | | | | | | |
| The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application. Class B biosolids | | | | | | | |
| Permittee: \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | | | | | | | |
| specifically prior to any particular | r application to the Landowner | er's designee of the proposed sch r's land. Notice shall include the s | source of residuals to be applied. | | | | |
| document(s) available to DEQ for | r review upon request. (Do not | the person signing for landowner at the this box if the landowner signs | s this agreement) | | | | |
| augho" Buck Steven Permittee - Authorized Representati | ew 50 N Vayla But & | Mailin | Thertotte Nt 28217 g Address | | | | |
| Printed Name Rev 9/14/2012 Page 1 of 2 | | | | | | | |

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART DVI LAND APPLICATION AGREEMENT

Permittee: Bio-Nomic Services County or City: Bedford County

Landowner Carolyn P. Simmons

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

 Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

2. Public Access

 Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.

b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;

c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil.
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- 5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature

1)-13-13

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Page 2 of 2

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

| 1 | | | | IT - BIOSOLIDS AN | | | | | |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------|--|--|--|
| : | A. This land application agreement is made on 11/13/2015 between to L. Jim referred to here as "Landowner", and Rio-Now.ic. Suc. , referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement. | | | | | | | | |
| ; | Landowner: | | | 0.00 | 0 ~4 | | | | |
| | The Landowner is the owner of record of the real property located in Rockford Ctr. Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A. | | | | | | | | |
| | Table 1.: Parce | ls authorized to | receive biosolids | , water treatment resid | duals or other indu | ustrial sludges | | | |
| | Tax Parcel ID | T | ax Parcel ID | Tax Parcel | ID | Tax Parcel ID | | | |
| | | | - 1 | 194 A 16 | 194 | 01700 | | | |
| | | | | 194 A 15 | 194 | 01 600 | | | |
| | | | | 194 A. 36 | 194 | 04600 | | | |
| ļ | | | , | 194 A. 3 | 194 | 03 900 | | | |
| į | | | | 194 A 3 | 1 194 | 03800 | | | |
| | ☐ Additional parcels containing | ng Land Application | Sites are identified o | n Supplement A (check if a | pplicable) | | | | |
| | | | | ner of the properties in ple owners of the prop | | nerein. | | | |
| ì | within 38 months of the latest date of biosolids application, the Landowner shall: Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and Notify the Permittee of the sale within two weeks following property transfer. The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect. | | | | | | | | |
| | | fied above and identified above | in Exhibit A. The ve, before, during th regulatory requ t residuals F | Landowner also gran or after land applicati | ts permission for on of permitted re o such application | DEQ staff to conduct siduals for the | | | |
| | | | U D | 11 0 - | | • | | | |
| | Landowner - Printed Name | THE | Layland | J. Demmons | 1/98/1000 | show bd NO | | | |
| | Permittee: | <u></u> | Signature agrees to apply big | solids and/or industrial | Mailing Address | The time of the second | | | |
| | manner authorized by the plan prepared for each la | VPA Permit Reg | ulation and in amo | unts not to exceed the ra | ates identified in the | e nutrient management | | | |
| | The Permittee agrees to a specifically prior to any pa | | | | | | | | |
| , | ☐ I reviewed the docume document(s) available to l | nt(s) assigning si DEQ for review u | gnatory authority to pon request. (Do no | the person signing for I of the check this box if the land | owner signs this agre | will make a copy of this ement) outree Rd | | | |
| Vac | refur tuck 57 | NOSUPUS | augh Buck 8 | ₹ | Char | 10tte, Nc. 2827 | | | |
| | Rermittee – Authorized Rep Printed N | | 0Signature | | Mailing Address | į | | | |

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Page 1 of 2

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

| Permittee: Bio-Nomic Services | County or City: Red Ford County |
|-------------------------------|---------------------------------|
| Landowner Sarland & Simmons | |

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

 Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

2. Public Access

- a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

3. Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days.
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- 5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- 6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

| Harland Jemmon | 11 13-15 |
|-----------------------|----------|
| Landowner's Signature | Date |

Rev 9/14/2012

Page 2 of 2

Search

Results

Details

Map

Contact | GIS Page Log On

View In Map

Ži Printer-Friendly

Tax Map # 194 A 31

Link

194 A-31

Parcel Number(RPC).

19403800

Address

1190 HORSESHOE BEND ROAD

Link to Real Estate Lookup/Sketch

Parcel Information

Valuation

Improvements

Ownership History

General Information

Owner:

SIMMONS GARLAND L & CAROLYN P

Legal Acreage: PCDesc:

108.9600

Additional Owner: Owner Address:

1190 HORSESHOE BEND ROAD

MONETA, VA 24121

Legal Description: Document Number: 6 Agricultural/Undevl(100+ac)

STONY CR

Land Use

Tax Year: 1997

1998

1999

2000

2001 2002

2003

2004

2005

2006

2007 2008

2009

2010

2011

2012

2013

2014

2015

2016

RO80-1 1080-2

P080-3 12080-4

12080-5

2080-L

RU80-8

Bedford, VA

Legend

Highway

- Blue Ridge Parkway
- **US Primary**
- Virginia Primary Roads
- Parcels County
 - Parcels Town
- Public School Boundary

R080-1 R080-2 R080-3 R080-4

R080-5

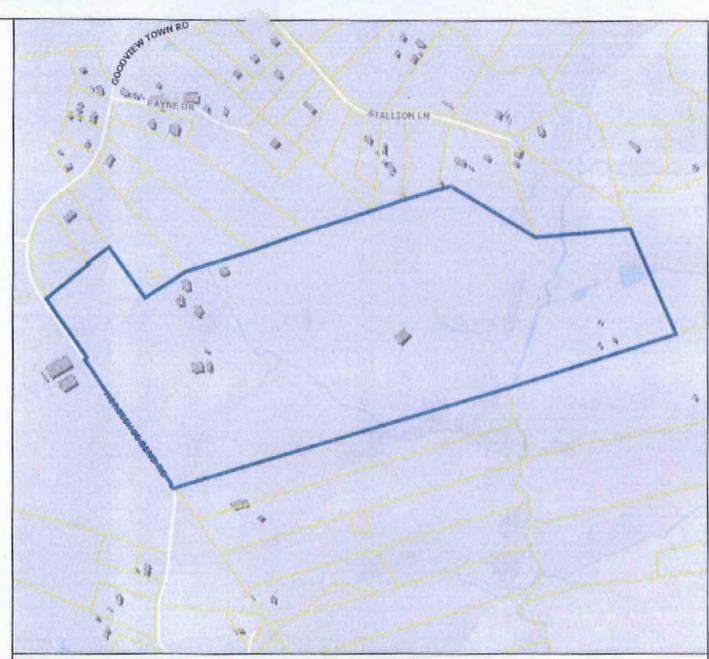
12080-6

RO80-7

R080-8

Feet

200 400 600 800 1:9,028 / 1"=752 Feet



Date: 3/17/2016

Title: Simmons Garland L&Carolyn P 194 A 31 19403800

DISCLAIMER: This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. The information displayed is a compilation of records information, and data obtained from various sources, and Bedford County is not responsible for its accuracy or how current it may be.

View In Map

本Printer-Friendly

Tax Map # 194 A 32 Link 194 A 32 Parcel Number(RPC).

19403900

Address

1191 HORSESHOE BEND ROAD

Link to Real Estate Lookup/Sketch

Parcel Information

Valuation

Improvements

Ownership History

General Information

Owner:

SIMMONS GARLAND L & CAROLYN P

Additional Owner:

Owner Address:

1190 HORSESHOE BEND ROAD

MONETA, VA 24121

Legal Acreage:

PCDesc:

Legal Description:

Document Number:

51.8200

5 Agricultural/Undevl(20-99ac)

STONY CREEK

Land Use

Tax Year: 1997

1998

1999

2000

2001

2002

2003

2004

2005

2006

2007

2008

2009

2010

2011 2012

2013

2014

2015

2016

P680 - 9 2080 - 10

Bedford, VA

Legend

Highway

- Blue Ridge Parkway

- US Primary

 Virginia Primary Roads

Parcels - County

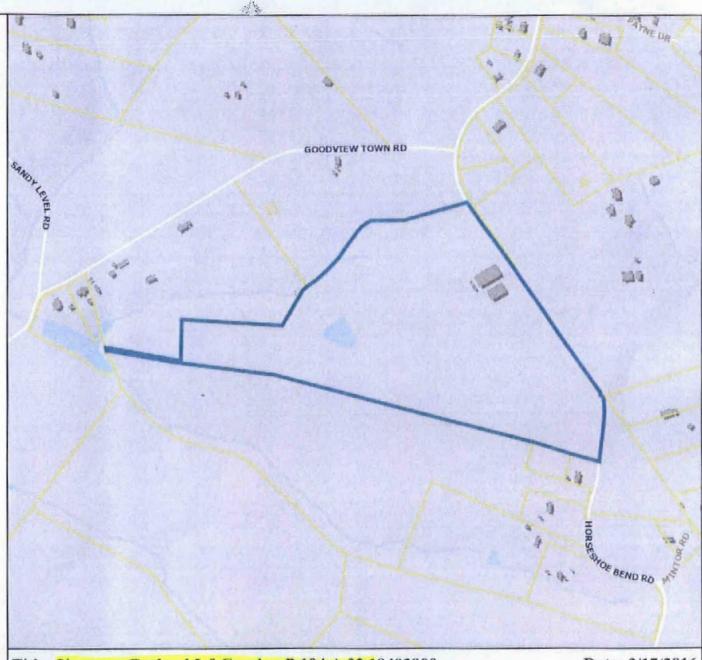
Parcels - Town

Public School Boundary

R080-9 P080-10

Feet

0 200 400 600 800 1:9,028 / 1"=752 Feet



Title: Simmons Garland L&Carolyn P 194 A 32 19403900

Date: 3/17/2016

DISCLAIMER: This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. The information displayed is a compilation of records, information, and data obtained from various sources, and Bedford County is not responsible for its accuracy or how current it may be.

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

| A. This land application agree as "Landowner", and remains in effect until it is to the Landowner in the event individual parcels identified longer be authorized to rec | reement is made on 3/Bio None Services erminated in writing by eith of a sale of one or more part in this agreement change | | MA SIMMONS referred to mittee". This agreement ose parcels that are retained by parcels changes. If ownership of nership has changed will no |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Landowner: The Landowner is the owner the agricultural, silvicultural attached as Exhibit A. | er of record of the real pro or reclamation sites ident | perty located in Codford (ified below in Table 1 and ide | Cty Virginia, which includes ntified on the tax map(s) |
| Table 1.: Parcels at | thorized to receive biosol | ids, water treatment residuals | or other industrial sludges |
| Tax Parcel ID | Tax Parcel ID | Tax Parcel ID | Tax Parcel ID |
| 194 A 36 | 19404600 | | |
| | | | |
| | <u> </u> | | |
| | | | |
| Additional parcels containing Land | d Application Sites are identified | on Supplement A (check if applicable | 2) |
| ☑ The | e Landowner is one of mul wner sells or transfers all c | wher of the properties identified tiple owners of the properties or part of the property to which | identified herein. |
| Notify the purchase later than the date of | r or transferee of the appli of the property transfer; an | cable public access and crop | _ |
| notify the Permittee immedi | ately if conditions change | olication on the fields identified such that the fields are no lon invalid or the information here | ger available to the Permittee |
| agricultural sites identified a inspections on the land iden | bove and in Exhibit A. Thatified above, before, durin | ittee to land apply residuals a e Landowner also grants perr g or after land application of p quirements applicable to such | nission for DEQ staff to conduct ermitted residuals for the |
| Class B biosolids Wate ✓ Yes □ No □ Ye | r treatment residuals s ≝No | | Other industrial sludges I Yes La No |
| Chad ALBert Si | MMONS Chad. | A Himmons , | 190 Horseshoe Brow Rd |
| Landowner - Printed Name, Title | Signature | Ma | Months WA 2012 |
| manner authorized by the VPA | Permit Regulation and in am | iosolids and/or industrial residual ounts not to exceed the rates ide tified in accordance with §10.1-1 | ntified in the nutrient management |
| | | | schedule for land application and e source of residuals to be applied. |
| ☐ I reviewed the document(s) a document(s) available to DEQ | assigning signatory authority for review upon request. (Do | to the person signing for landown not check this box if the landowner si | gns this agreement) |
| augho Buck Tte. Permittee - Authorized Represen | venson Vayla Bu | l'Stew | gns this agreement however e Ad S76 Charlotte, N.C. 28217 |
| Permittee – Authorized Represen | tative Signature | Ma | iling Address |

Rev 9/14/2012

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

| Permittee: Bio-Nomic Services | County or City: Red Ford County |
|-------------------------------|---------------------------------|
| Landowner: Chad A. Simmons | |

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

 Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

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- Public access to land with a low potential for public exposure shall be restricted for at least 30 days
 following any application of biosolids. No biosolids amended soil shall be excavated or removed from
 the site during this same period of time unless adequate provisions are made to prevent public
 exposure to soil, dusts or aerosols;
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

3. Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial
 residuals applications such that the total crop needs for nutrients are not exceeded as identified in the
 nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of
 Virginia;
- Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature

Date

Rev 9/14/2012

Search

Results

Section.

Мар

Contact | GIS Page Log On

View In Map

Printer-Friendly

Tax Map # 194 A 36

Link

194 A 36

Parcel Number(RPC).

19404600

Address

1507 HORSESHOE BEND ROAD

Link to Real Estate Lookup/Sketch

Parcel information

Valuation

Improvements

Ownership History

General Information

Owner:

SIMMONS GARLAND L & CAROLYN & Legal Acreage:

CHAD A

PCDesc:

42.6600

Additional Owner:

Owner Address:

1190 HORSESHOE BEND RD

MONETA, VA 24121

Legal Description:

5 Agricultural/Undevl(20-99ac)

Document Number:

JUMPING RUN 130011351

Land Use

Tax Year: 1997

1998

1999

2000

2001

2002

2003

2004

2005

2006

2007

2008

2009

2010

2011

2012

2013 2014

2015

2016

PO 80-11 PO 80-12

Bedford, VA

Legend

Highway

- Blue Ridge Parkway

US Primary

Virginia Primary Roads

Parcels - County

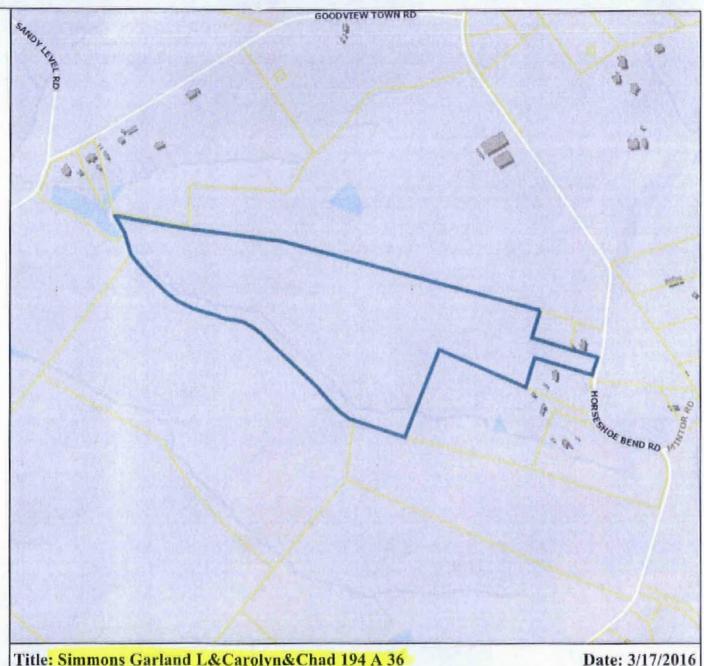
Parcels - Town

Public School Boundary

12080-11 12080-12

Feet

200 400 600 800 1:9,028 / 1"=752 Feet



Title: Simmons Garland L&Carolyn&Chad 194 A 36

Disconnist of the second of th

Contact | GIS Page Log On Search Map Printer-Friendly View In Map Tax Map # Link Parcel Number(RPC). Address 194 A 15 19401600 194 A 15 Link to Real Estate Lookup/Sketch Parcel Information Valuation Improvements Ownership History General Information Owner: SIMMONS GARLAND L & CAROLYN P Legal Acreage: 42.8300 Additional Owner: PCDesc: 5 Agricultural/Undevl(20-99ac) Owner Address: 1190 HORSESHOE BEND ROAD JUMPING RUN Legal Description: MONETA, VA 24121 Document Number: 970011539 Land Use Tax Year: 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016

PART 12080-13

Bedford, VA

Legend

Highway

Blue Ridge Parkway

US Primary

Virginia Primary Roads

Parcels - County

Parcels - Town

Public School Boundary

PART 12080-13 PART 12080-4

Feet

200 400 600 800 1:9,028 / 1"=752 Feet



Title: Simmons Garland L&CarolynP 194 A 15 19401600

DISCLAIMER: This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. The information displayed is a compilation of records, information, and data obtained from various sources, and Bedford County is not responsible for its accuracy or how current it may be.

Contact | GIS Page Log On Мар Search Printer-Friendly View in Map Link Parcel Number(RPC). Address Tax Map # 194 A 16 194 A 16 19401700 2363 GOODVIEW TOWN ROAD Link to Real Estate Lookup/Sketch Parcel Information Valuation Ownership History Improvements General Information Owner: SIMMONS GARLAND L & CAROLYN P Legal Acreage: 48.4700 Additional Owner: 5 Agricultural/Undevl(20-99ac) PCDesc: 1190 HORSESHOE BEND ROAD Owner Address: Legal Description: JUMPING RUN MONETA, VA 24121 **Document Number:** 970011539 Land Use Tax Year: 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016

> PART R080-13 PART R080-14

Bedford, VA

Legend

Highway

- Blue Ridge Parkway

US Primary

Virginia Primary

Roads

Parcels - County

Parcels - Town

Public School Boundary

PART 12080-13 PART 12080-14



Title: Simmons Garland L&CarolynP 194 A 16 19401700

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Feet

200 400 600 800 1:9,028 / 1"=752 Feet

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL FEELUENT AND BIOSOLIDS

| | TOTAL D. MONION AL ELI LOCATI AND DIGGOLIDO | | | | | | | |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------|------------------------------|-------------------------|----------------|--|--|
| | PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS | | | | | | | |
| | A. This land application agreement is made on 1/13/2015 between Shows of L. Simple referred to here as "Landowner", and Rio-Now 10 Simple Shows of L. Simple referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement. | | | | | | | |
| | Landowner: The Landowner is the owner of record of the real property located in <u>Sectoral CPy</u> Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A. | | | | | | | |
| | Table 1.: Parcels aut | thorized to | receive biosolids, | water treatment residua | als or other indust | rial sludges | | |
| | Tax Parcel ID | Ta | x Parcel ID | Tax Parcel ID | T | ax Parcel ID | | |
| | 194 A 43 | | 500 | 208 44 | | 00300 | | |
| | 208 A 3A | | 20201 | 200 2 | | 3000 | | |
| | 208 4 14 | | 05219 | | | | | |
| | 208 4 2 | | 00100 | | | | | |
| | 208 41 | | 00000 | | | | | |
| ı | Additional parcels containing Lan | | | Supplement A (check if appli | icable) | | | |
| | Check one: The Landowner is the sole owner of the properties identified herein. The Landowner is one of multiple owners of the properties identified herein. In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall: 1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and 2. Notify the Permittee of the sale within two weeks following property transfer. The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect. The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application. Class B biosolids Water treatment residuals Food processing waste Other industrial sludges Yes No | | | | | | | |
| B | Landowner - Printed Name. Title Signature National Manual Manua | | | | | | | |
| V | augher Buck Stee Permittee - Authorized Represent | tative | Vaush Budi S Signature | ten | Charlot Mailing Address | te, N.C. 28217 | | |

Page 1 of 2

Printed Name

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

| Permittee: Bio-Nomic Services | County or City: Red Ford County |
|--------------------------------|---------------------------------|
| Landowner: ShanNON Lewis Simme | US |

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

2. Public Access

- Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil.
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- 5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- 6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Page 2 of 2

Shanne / Street 11-13-15
Landowner's Signature Date

Rev 9/14/2012 .

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

| A. This land application here as "Landowner", a remains in effect until it the Landowner in the even individual parcels identi- longer be authorized to | nd A: - Now is terminated in vent of a sale of fied in this agre | wic Service writing by eith one or more ement change | referred to her party or, parcels, untiles, those par | here as the with respect to ownership of cels for which | "Permittee". o those parc all parcels o ownership h | This agreed els that are hanges. If | ment retained by ownership of |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------|-------------------------------------|---------------------------------------------------------|
| Landowner: The Landowner is the of the agricultural, silviculty attached as Exhibit A. | ural or reclamat | tion sites ident | ified below i | n Table 1 and | identified or | the tax ma | p(s) |
| Table 1.: Parcel | | | lids, water tr | | | | |
| Tax Parcel ID | 20800 | X Parcel ID ス0 I | 194 | Tax Parcel I | | | orcel ID OD |
| 209 A. I A | 90505 | | /17 | A 73 | / | 11033 | |
| 3 34 X 2 | 17 36 7 | 0100 | | P-1-0040 27 D-1-004 2 14-00 2 01 7 1-00-00-00-00-00-00-00-00-00-00-00-00-00 | | | tak taran. 1 A sarang magamat Mada ang apanamban bahada |
| 200 7 7 | 2.08 | 00000 | | | | | |
| 104 1 | 7.00 | 00300 | | | | | |
| ☐ Additional parcels containing | | THE RESERVE OF THE PERSON NAMED IN | on Supplemen | t A (check if appl | icable) | | |
| In the event that the Lar within 38 months of the | latest date of bi | er is one of mu r transfers all iosolids applic | Iltiple owners or part of the ation, the La | of the prope property to windowner shall | rties identifie /hich biosolic I: | d herein. Is have bee | |
| Notify the purch later than the da Notify the Perm | ite of the prope | rty transfer; a | nd | | | ement restric | ctions no |
| The Landowner has no notify the Permittee imm for application or any pa incorrect. | ediately if cond | litions change | such that th | e fields are no | longer avai | lable to the | Permittee |
| The Landowner hereby agricultural sites identifie inspections on the land purpose of determining | ed above and in dentified above | Exhibit A. Ti | ne Landown ng or after la | er also grants nd application | permission to of permitted | or DEQ star I residuals f | ff to conduct |
| | ater treatment | • | - | ssing waste | | dustrial slud | aes |
| | Yes ENo | | ☐ Yes | ₽ No | ☐ Yes | ₽-No | |
| | | | 1 | | | | |
| Lillian Simmons | Co owner | / Xd | Simm | | 1833 Jo | co Lane | Money V |
| Landowner - Printed Name, | Title | Signature | | | Mailing Add | ress | 24121 |
| Permittee: <u>Bio-Monic Services</u> manner authorized by the Noplan prepared for each land | /PA Permit Regu | lation and in an | nounts not to | exceed the rate | s identified in | the nutrient | management |
| The Permittee agrees to no specifically prior to any part | tify the Landown | er or the Lando | wner's desigr | ee of the propo | sed schedule | for land app | lication and |
| (D) reviewed the document document(s) available to D | (s) assigning sign EQ for review upo | natory authority on request. (Do | to the person not check this | signing for lan box if the landow | ner signs this a | greement) to | ree Rd |
| gha Buck Fte. | لعمودتهم | Honoli | ground | VS | Char | dotte, | N.C. 28. |
| Permittee – Authorized Repro | esentative me | Signature | V | | Mailing Addr | ress | |
| Rev 9/14/2012 | | | | | | _ | age 1 of 2 |

| Permittee: Blo-Nomic Services | County or City: Bestord County |
|-------------------------------|--------------------------------|
| Landowner: _ Lillian Simmers | |

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

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 residuals applications such that the total crop needs for nutrients are not exceeded as identified in the
 nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of
 Virginia;
- 6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Zandowner's Signature Date

Page 2 of 2

Bedford County, Virginia

Tax Map #: 194 A 43

Link:

194 A 43

Parcel Number(RP C):

19405500

Address:

2085 HORSESHOE BEND ROAD

Parcel Information

Owner:

SIMMONS SHANNON L & SIMMONS LILLIAN

Legal Acreage:

68.3400

Additional Owner:

No Data

Owner Address:

1833 JOCO LANE MONETA VA 24121

PCDesc:

5 Agricultural/Undevl(20-99ac)

Legal Description:

VA RWY

Document Number:

160003612

Valuation Information

Map:

194 A 43

Name: Acreage: S & S FARMS INC

68.34

Deedbook

No Data

Deedpage:

No Data

| Year | Land Value | Improvement Value | Total Value |
|------|--------------|-------------------|--------------|
| 2016 | \$371,700.00 | \$46,100.00 | \$417,800.00 |
| 2015 | \$371,700.00 | \$46,100.00 | \$417,800.00 |
| 2014 | \$371,700.00 | \$45,500.00 | \$417,200.00 |
| 2013 | \$371,700.00 | \$45,500.00 | \$417,200.00 |
| 2012 | \$371,700.00 | \$45,500.00 | \$417,200.00 |
| 2011 | \$371,700.00 | \$45,500.00 | \$417,200.00 |
| 2010 | \$371,700.00 | \$45,500.00 | \$417,200.00 |
| 2009 | \$371,700.00 | \$45,500.00 | \$417,200.00 |
| 2008 | \$371,700.00 | \$45,500.00 | \$417,200.00 |
| 2007 | \$371,700.00 | \$45,500.00 | \$417,200.00 |
| 2006 | \$114,300.00 | \$.00 | \$114,300.00 |
| 2005 | \$114,300.00 | \$.00 | \$114,300.00 |
| 2004 | \$114,300.00 | \$.00 | \$114,300.00 |
| 2003 | \$114,300.00 | \$.00 | \$114,300.00 |
| 2002 | \$77,000.00 | \$1,600.00 | \$78,600.00 |
| 2001 | \$77,000.00 | \$1,600.00 | \$78,600.00 |
| 2000 | \$77,000.00 | \$1,600.00 | \$78,600.00 |
| 1999 | \$77,000.00 | \$1,600.00 | \$78,600.00 |
| 1998 | \$62,000.00 | \$1,600.00 | \$63,600.00 |

NO80-15

Improvement

Structure use:

Single family

Building Type: Frame Material: 112 Conventional Wood frame Vinyl siding

Exterior Cover: Exterior Cover:

No Data 1

No Data

Year Built: Stories: Foundation:

1.0 1/2 Crawl Finish Size Sq Ft: 588 0 Basement Sq Ft:

Garage Sq Ft:

Detached Garage Sq Ft: No Data DeckSq Ft: 196

Rooms Total:

Bedrooms: Full Bathroom:

Half Bathroom:

0 None

N

3

1

Attic: Heating:

Cooling:

Electric baseboard

Roof:

Gable Metal

Roof Material: Masonry Fireplace:

N

Condition:

normal for age

Current Owner

Current Owner:

SIMMONS SHANNON L & SIMMONS LILLIAN

Purchase Date: **Purchase Price:** 04/29/2016 \$.00

Land Description:

9 Homesite

Past Owner

Name:

S & S FARMS INC

Name:

S & S FARMS INC

Purchase Date:

08/06/2002 \$250,000.00 Purchase Date:

08/06/2002

Purchase Price:

Purchase Price:

\$250,000.00

The County of Bedford, VA

Legend

Highway

- Blue Ridge Parkway
- US Primary
- Virginia Primary Roads
- Parcels County
- Parcels Town
- Public School Boundary

ROSD-15

Feet

0 200 400 600 800 1:9.028 / 1"=752 Feet



Title: Parcels - County SHANNON + CILLIAN SIMMONS 194-4-43 Date: 7/25/2016

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Bedford County, Virginia

Tax Map #: 208 A 4

Link:

208 A 4

Parcel Number(RP C): 20800300

Address:

Parcel Information

Owner:

SIMMONS SHANNON L & SIMMONS

Legal Acreage:

30.0300

Additional Owner:

No Data

PCDesc:

5 Agricultural/Undevl(20-99ac)

Legal Description: Owner Address: 1833 JOCO LANE MONETA VA 24121

Document Number:

TRACT 19 PB 42/296 160003611

Valuation Information

Map:

208 A 4

Deedbook

No Data

Name:

SIMMONS GARLAND L & CAROLYN P

Deedpage:

No Data

Acreage:

30.03

| Land Value | Improvement Value | Total Value | |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| \$150,200.00 | \$.00 | \$150,200.00 | |
| \$150,200.00 | \$.00 | \$150,200.00 | |
| \$150,200.00 | \$.00 | \$150,200.00 | |
| \$150,200.00 | \$.00 | \$150,200.00 | |
| \$150,200.00 | \$.00 | \$150,200.00 | |
| \$150,200.00 | \$.00 | \$150,200.00 | |
| \$150,200.00 | \$.00 | \$150,200.00 | |
| \$150,200.00 | \$.00 | \$150,200.00 | |
| \$161,100.00 | \$.00 | \$161,100.00 | |
| \$161,100.00 | \$.00 | \$161,100.00 | |
| \$52,800.00 | \$.00 | \$52,800.00 | |
| \$52,800.00 | \$.00 | \$52,800.00 | |
| \$52,800.00 | \$.00 | \$52,800.00 | |
| \$101,000.00 | \$.00 | \$101,000.00 | |
| \$52,000.00 | \$.00 | \$52,000.00 | |
| \$83,600.00 | \$.00 | \$83,600.00 | |
| \$83,600.00 | \$.00 | \$83,600.00 | |
| \$83,600.00 | \$.00 | \$83,600.00 | |
| \$83,600.00 | \$.00 | \$83,600.00 | |
| \$73,500.00 | \$.00 | \$73,500.00 | |
| | \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$161,100.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,000.00 \$83,600.00 \$83,600.00 \$83,600.00 | \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$161,00.00 \$161,100.00 \$161,100.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 \$52,000.00 | \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$150,200.00 \$161,100.00 \$161,100.00 \$161,100.00 \$161,100.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 \$52,800.00 |

Improvement

This Parcel has no Improvements

KO80-10

Current Owner

Current Owner:

SIMMONS SHANNON L & SIMMONS LILLIAN

Purchase Date:

04/29/2016

Purchase Price:

\$.00

Land Description:

31 Rural Land

Past Owner

Name:

SIMMONS GARLAND L & CAROLYN P

Name:

JOCO FARMS TRUST FUND

Purchase Date:

03/04/2003

Purchase Date:
Purchase Price:

12/31/1998

Purchase Price:

\$557,760.00

\$.00

The County of Bedford, VA

Legend

Highway

- Blue Ridge Parkway
- US Primary
- Virginia Primary Roads
- Parcels County
 - Parcels Town
- Public School Boundary

R080-16

Feet

0 200 400 600 800 1:9.028 / 1"=752 Feet



Title: Parcels - County SHAMNON TULLIAN SIMMONS

208-A-4

Date: 7/25/2016

DISCLAIMER: This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. The information displayed is a compilation of records, information, and data obtained from various sources, and Bedford County is not responsible for its accuracy or how current it may be.

Bedford County, Virginia

Tax Map #: 208 A 1

Link:

208 A 1

20800000 Parcel

Number(RP C):

Address:

Parcel Information

Owner:

SIMMONS SHANNON L & SIMMONS

LILLIAN

Legal Acreage: PCDesc:

20.1800

Additional Owner:

No Data

5 Agricultural/Undevl(20-99ac)

Owner Address: 1833 JOCO LANE MONETA VA 24121 Legal Description: **Document Number:** TRACT 20 PB 42/296

Valuation Information

Map: Name: 208 A 1

SIMMONS GARLAND L & CAROLYN

Deedbook

No Data

160003611

Deedpage:

No Data

Acreage:

20.18

| Year | Land Value | Improvement Value | Total Value | |
|------|--------------|-------------------|--------------|---|
| 2016 | \$100,900.00 | \$.00 | \$100,900.00 | |
| 2015 | \$100,900.00 | \$.00 | \$100,900.00 | |
| 2014 | \$100,900.00 | \$.00 | \$100,900.00 | |
| 2013 | \$100,900.00 | \$.00 | \$100,900.00 | |
| 2012 | \$100,900.00 | \$.00 | \$100,900.00 | |
| 2011 | \$100,900.00 | \$.00 | \$100,900.00 | |
| 2010 | \$100,900.00 | \$.00 | \$100,900.00 | |
| 2009 | \$100,900.00 | \$.00 | \$100,900.00 | |
| 2008 | \$100,900.00 | \$.00 | \$100,900.00 | |
| 2007 | \$100,900.00 | \$.00 | \$100,900.00 | |
| 2006 | \$34,800.00 | \$.00 | \$34,800.00 | |
| 2005 | \$34,800.00 | \$.00 | \$34,800.00 | |
| 2004 | \$34,800.00 | \$.00 | \$34,800.00 | |
| 2003 | \$3,000.00 | \$.00 | \$3,000.00 | } |
| 2003 | \$34,800.00 | \$.00 | \$34,800.00 | |
| 2002 | \$2,400.00 | \$.00 | \$2,400.00 | |
| 2001 | \$2,400.00 | \$.00 | \$2,400.00 | |
| 2000 | \$2,400.00 | \$.00 | \$2,400.00 | |
| 1999 | \$2,400.00 | \$.00 | \$2,400.00 | |
| 1998 | \$1,200.00 | \$.00 | \$1,200.00 | |

Improvement

This Parcel has no Improvements

RO80-17

Current Owner

Current Owner:

SIMMONS SHANNON L & SIMMONS LILLIAN

Purchase Date:

04/29/2016

Purchase Price:

\$.00

Land Description:

31 Rural Land

Past Owner

Name:

SIMMONS GARLAND L & CAROLYN P

Name:

JOCO FARMS TRUST FUND

Purchase Date:

03/04/2003

Purchase Date:

12/31/1998

Purchase Price:

\$557,760.00

Purchase Price:

\$.00

The County of Bedford, VA

Legend

Highway

- Blue Ridge Parkway
- US Primary
- Virginia Primary Roads
- Parcels County
 - Parcels Town
- Public School Boundary

R080-17



0 200 400 600 800 1:9.028 / 1"=752 Feet



Title: Parcels - County SHANNON & CICLIAN SIMMONS ZOS-A-L Date: 7/25/2016

DISCLAIMER: This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. The information displayed is a compilation of records, information, and data obtained from various sources, and Bedford County is not responsible for its accuracy or how current it may be.

Bedford County, Virginia

Tax Map #: 208 A 2

Link:

208 A 2

Parcel Number(RP C): 20800100

Address:

Parcel Information

Owner:

SIMMONS SHANNON L & SIMMONS LILLIAN

Legal Acreage:

39.2800

Additional Owner:

No Data

PCDesc: Legal Description: 5 Agricultural/Undevl(20-99ac) TRACT 22 PB 42/296

Owner Address:

1833 JOCO LANE MONETA VA 24121

Document Number:

160003611

Valuation Information

Map:

208 A 2

Name:

SIMMONS GARLAND L & CAROLYN

Deedbook Deedpage: No Data No Data

Acreage: 39.28

| Year | Land Value | Improvement Value | Total Value | |
|------|--------------|-------------------|--------------|--|
| 2016 | \$187,300.00 | \$52,100.00 | \$239,400.00 | |
| 2015 | \$187,300.00 | \$52,100.00 | \$239,400.00 | |
| 2014 | \$187,300.00 | \$52,100.00 | \$239,400.00 | |
| 2013 | \$187,300.00 | \$52,100.00 | \$239,400.00 | |
| 2012 | \$187,300.00 | \$52,100.00 | \$239,400.00 | |
| 2011 | \$187,300.00 | \$52,100.00 | \$239,400.00 | |
| 2010 | \$176,800.00 | \$44,600.00 | \$221,400.00 | |
| 2009 | \$176,800.00 | \$44,600.00 | \$221,400.00 | |
| 2008 | \$176,800.00 | \$44,600.00 | \$221,400.00 | |
| 2007 | \$176,800.00 | \$44,600.00 | \$221,400.00 | |
| 2006 | \$63,400.00 | \$21,600.00 | \$85,000.00 | |
| 2005 | \$63,400.00 | \$21,600.00 | \$85,000.00 | |
| 2004 | \$63,400.00 | \$21,600.00 | \$85,000.00 | |
| 2003 | \$53,300.00 | \$21,600.00 | \$74,900.00 | |
| 2003 | \$63,400.00 | \$21,600.00 | \$85,000.00 | |
| 2002 | \$42,600.00 | \$21,600.00 | \$64,200.00 | |
| 2001 | \$42,600.00 | \$21,600.00 | \$64,200.00 | |
| 2000 | \$42,600.00 | \$21,600.00 | \$64,200.00 | |
| 1999 | \$42,600.00 | \$21,600.00 | \$64,200.00 | |
| 1998 | \$28,400.00 | \$.00 | \$28,400.00 | |

18 (CO 80 - 19

Improvement

Structure use: No Data **Building Type:** No Data Frame Material: No Data **Exterior Cover:** No Data **Exterior Cover:** No Data Year Built: No Data Stories: No Data Foundation: No Data Finish Size Sq Ft: No Data Basement Sq Ft: No Data Garage Sq Ft: No Data Detached Garage Sq Ft: No Data DeckSq Ft: 0

Rooms Total: No Data Bedrooms: No Data Full Bathroom: No Data Half Bathroom: No Data Attic: No Data Heating: No Data Cooling: No Data Roof: No Data Roof Material: No Data No Data Masonry Fireplace: No Data Condition:

Current Owner

Current Owner:

SIMMONS SHANNON L & SIMMONS LILLIAN

Purchase Date: Purchase Price: 04/29/2016

Purchase Price:

\$.00

Land Description:

31 Rural Land

Past Owner

Name:

SIMMONS GARLAND L & CAROLYN P

Name:

JOCO FARMS TRUST FUND

Purchase Date: Purchase Price: 03/04/2003 \$557,760.00 Purchase Date:

12/31/1998

Purchase Price:

\$.00

The County of Bedford, VA

Legend

Highway

- Blue Ridge Parkway
- US Primary
- Virginia Primary
- Parcels County
 - Parcels Town
- Public School Boundary

2080-18 2080-19

Feet

0 200 400 600 800 1:9.028 / 1"=752 Feet



Title: Parcels - County SHANNON + LILLIAN SIMMUNS 208- A-2

Date: 7/25/2016

DISCLAIMER: This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. The information displayed is a compilation of records information, and data obtained from various sources, and Bedford County is not responsible for its accuracy or how current it may be.

Bedford County, Virginia

Tax Map #: 208 A 1A

Link:

208 A 1A

Parcel 90505219 Number(RP C): Address:

Parcel Information

Owner:

SIMMONS SHANNON L & SIMMONS

1833 JOCO LANE MONETA VA 24121

Legal Acreage: PCDesc:

13.4100

Additional Owner: Owner Address: No Data

Legal Description:

2 Single Family Res(1-19.99ac)

Document Number:

TRACT 21 160003611

Valuation Information

Map:

208 A IA

Name:

SIMMONS GARLAND L & CAROLYN

Deedbook Deedpage: No Data No Data

.

Acreage:

13.41

| Year | Land Value | Improvement Value | Total Value | <u> </u> |
|------|-------------|-------------------|-------------|----------|
| 2016 | \$60,300.00 | \$18,300.00 | \$78,600.00 | |
| 2015 | \$60,300.00 | \$18,300.00 | \$78,600.00 | |
| 2014 | \$60,300.00 | \$18,300.00 | \$78,600.00 | |
| 2013 | \$60,300.00 | \$18,300.00 | \$78,600.00 | |
| 2012 | \$60,300.00 | \$18,300.00 | \$78,600.00 | |
| 2011 | \$60,300.00 | \$18,300.00 | \$78,600.00 | |
| 2010 | \$60,300.00 | \$.00 | \$60,300.00 | |
| 2009 | \$60,300.00 | \$.00 | \$60,300.00 | |
| 2008 | \$60,300.00 | \$.00 | \$60,300.00 | |
| 2007 | \$60,300.00 | \$.00 | \$60,300.00 | |
| 2006 | \$30,800.00 | \$.00 | \$30,800.00 | |
| 2005 | \$30,800.00 | \$.00 | \$30,800.00 | |
| 2004 | \$30,800.00 | \$.00 | \$30,800.00 | |
| 2003 | \$.00 | \$.00 | \$.00 | |
| 2003 | \$30,800.00 | \$.00 | \$30,800.00 | |

Improvement

| Structure use: | No Data | | Rooms Total: | No Daia |
|------------------------|---------|---------|--------------------|---------|
| Building Type: | No Data | | Bedrooms: | No Data |
| Frame Material: | No Data | R080-20 | Full Bathroom: | No Data |
| Exterior Cover: | No Data | 1080 20 | Half Bathroom: | No Data |
| Exterior Cover: | No Data | - 9 | Attic: | No Data |
| Year Built: | No Data | PO80-21 | Heating: | No Data |
| Stories : | No Data | 1000 | Cooling: | No Data |
| Foundation: | No Data | | Roof: | No Data |
| Finish Size Sq Ft: | No Data | | Roof Material: | No Data |
| Basement Sq Ft: | No Data | | Masonry Fireplace: | No Data |
| Garage Sq Ft: | No Data | | Condition: | No Data |
| Detached Garage Sq Ft: | No Data | | | |
| DeckSq Ft: | 0 | | | |

Current Owner

Current Owner:

SIMMONS SHANNON L & SIMMONS LILLIAN

Purchase Date:

04/29/2016

Purchase Price:

\$.00

Land Description:

31 Rural Land

Past Owner

Name:

SIMMONS GARLAND L & CAROLYN P

Name:

JOCO FARMS TRUST FUND

Purchase Date:

03/04/2003

Purchase Date:

11/01/2002

\$.00

Purchase Price:

\$557,760.00

Purchase Price:

The County of Bedford, VA

Legend

E911 Address

Highway

Blue Ridge Parkway

US Primary

 Virginia Primary Roads

Driveway

Parcels - County

Parcels - Town

Public School Boundary

12080-26

Feet

0 100 200 300 400 1:4.514 / 1"=376 Feet



Title: Parcels - County SHANDON + ULLIAN SIMMONS 206- A-1A

Date: 7/25/2016

DISCLAIMER: This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. The information displayed is a compilation of records, information, and data obtained from various sources, and Bedford County is not responsible for its accuracy or how current it may be.

Bedford County, Virginia

Tax Map #: 208 A 3A

Link:

208 A 3A

Parcel Number(RP C):

20800201

Address:

1841 JOCO LANE

Parcel Information

Owner:

SIMMONS SHANNON L & SIMMONS LILLIAN

Legal Acreage:

59.5800

Additional Owner: Owner Address:

No Data

1833 JOCO LANE MONETA VA 24121

PCDesc:

5 Agricultural/Undevl(20-99ac)

TRACT 23 PB 42/296

Legal Description: **Document Number:**

160003611

Valuation Information

Map: Name: 208 A 3A

SIMMONS GARLAND L & CAROLYN

Deedbook Deedpage: No Data No Data

Acreage:

59.58

| Year | Land Value | Improvement Value | Total Value |
|------|--------------|-------------------|--------------|
| 2016 | \$249,300.00 | \$55,200.00 | \$304,500.00 |
| 2015 | \$249,300.00 | \$55,200.00 | \$304,500.00 |
| 2014 | \$252,300.00 | \$55,200.00 | \$307,500.00 |
| 2013 | \$252,300.00 | \$55,200.00 | \$307,500.00 |
| 2012 | \$252,300.00 | \$55,200.00 | \$307,500.00 |
| 2011 | \$252,300.00 | \$55,200.00 | \$307,500.00 |
| 2010 | \$252,300.00 | \$55,200.00 | \$307,500.00 |
| 2009 | \$252,300.00 | \$55,200.00 | \$307,500.00 |
| 2008 | \$252,300.00 | \$55,200.00 | \$307,500.00 |
| 2007 | \$252,300.00 | \$55,200.00 | \$307,500.00 |
| 2006 | \$84,900.00 | \$39,400.00 | \$124,300.00 |
| 2005 | \$84,900.00 | \$39,400.00 | \$124,300.00 |
| 2004 | \$84,900.00 | \$39,400.00 | \$124,300.00 |
| 2003 | \$78,000.00 | \$39,400.00 | \$117,400.00 |
| 2003 | \$84,900.00 | \$39,400.00 | \$124,300.00 |
| 2002 | \$55,800.00 | \$36,300.00 | \$92,100.00 |
| 2001 | \$55,800.00 | \$36,300.00 | \$92,100.00 |
| 2000 | \$55,800.00 | \$36,300.00 | \$92,100.00 |
| 1999 | \$55,800.00 | \$36,300.00 | \$92,100.00 |
| 1998 | \$40,800.00 | \$71,700.00 | \$112,500.00 |

R080-22 2080-23

Improvement

Structure use:

Single family

Building Type: Frame Material: 112 Conventional

Exterior Cover: **Exterior Cover:**

No Data

Year Built: Stories : Foundation:

1.0 Full Crawl

Finish Size Sq Ft: Basement Sq Ft:

Garage Sq Ft: Detached Garage Sq Ft:

DeckSq Ft:

Wood frame Hardboard

1900

784 0 No Data

No Data 168

Rooms Total:

Bedrooms: Full Bathroom:

Half Bathroom: Attic:

Heating:

Roof:

Cooling:

Roof Material: Masonry Fireplace:

Condition:

Metal N

Gable

1

0

Part

Forced hot air

F

Current Owner

Current Owner:

SIMMONS SHANNON L & SIMMONS LILLIAN

Purchase Date: Purchase Price:

04/29/2016 \$.00

Land Description:

31 Rural Land

Past Owner

Name:

SIMMONS GARLAND L & CAROLYN P

Name:

JOCO FARMS TRUST FUND

Purchase Date: Purchase Price:

\$557,760.00

03/04/2003

Purchase Date:

12/31/1998

Purchase Price:

\$.00

The County of Bedford, VA

Legend

Highway

- Blue Ridge Parkway
- US Primary
- Virginia Primary Roads
- Parcels County
 - Parcels Town
- Public School Boundary

PO80-22 PO80-23 SOODVIEWRD

Date: 7/25/2016

Feet

0 200 400 600 800 1:9,028 / 1"=752 Feet Title: Parcels - County SHAMON & ULUAN SIMMONS 208- 4-3A

DISCLAIMER: This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. The Information displayed is a compilation of records, information, and data obtained from various sources, and Bedford County is not responsible for its accuracy or how current it may be.

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement - Biosolids and Industrial Residuals form with original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee: Bio-Monic Services
County or City: Redford County

| Please Print | (Signatures not required on this page |
|-------------------|---------------------------------------|
| Tax Parcel ID(s) | Landowner(s) |
| 194 116 19401700 | Coarland L. and Carolyn P. Simmons |
| 194 A15 19401600 | 11 |
| 194 436 19404600 | 11 11 |
| 194 432 19403900 | 4 |
| 194 431 19403800 | 11 (1 |
| 208 434 20800201 | Shannon L. and Lillian Simmons |
| 208111 90505219 | tı 31 |
| 208 12 20800100 | ι ι |
| 208 11 20800000 | t <u>t</u> tı |
| 208 14 208 00300 | įt ti |
| 194 443 19405500 | 16 11 |
| 194 4 36 19404600 | Chad S. Simmons |
| | |
| | |
| | |
| | |
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| | |
| | |
| | |
| | |
| | |
| | |

Shannon Simmons Farm

Bio-Nomic Services, Inc. is filing this application to apply approved (VA0025020) Class B biosolids to this designated farm land in Bedford County, Virginia.

The farm is located in the Moneta community off the Horseshoe Bend Road near Diamond Hill Store in a predominately agricultural area. All streams, drainage features, rock outcrops, structures, dwellings, property lines, roadways and wells are designated and buffered as required. There is one public contact site in the vicinity of the farm. Please see the attached buffer maps for more details. Biosolids are currently being used as crop nutrients on close by farms, and have been used on this farm by another biosolids contractor.

Mr. Simmons operates his acreage for hay production or pasture, or small grain rotation. The small grain rotation is winter grain planting that is harvested as early season weed free mulch, and then followed with soybean or corn planting designated as livestock feedstock. The grass cover in the hayfields/ pastures is predominately fescue.

The current fescue hay fields are: RO 80-13, 80-14, 80-15, 80-20.

The current fescue pastures are: RO 80-1, 80-2, 80-3, 80-4, 80-5, 80-6, 80-7, 80-8, 80-9, 80-16, 80-17, 80-18, 80-19, 80-21, 80-22, 80-23.

The current small grain rotation fields are: RO 80-10, 80-11, 80-12.

Nutrient Management Plans will be written by a certified plan writer to address the application of biosolids to the designated fields that will address the most recent planned use of the fields should any changes occur in agricultural practices.

bing maps

Brownlee Ave SE, Roanoke, VA 24014

35 min, 18.0 mi

1190 Horseshoe Bend Rd, Moneta, VA 24121

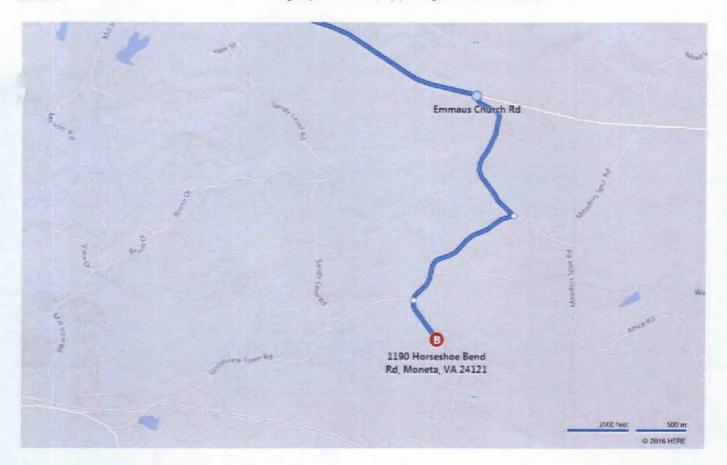
Light traffic (32 min without traffic) Via VA-24, VA-24 E

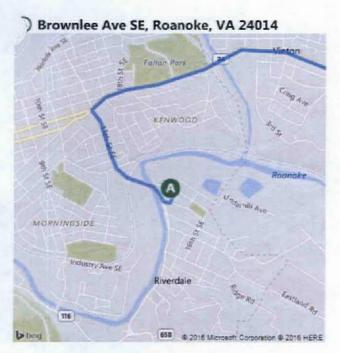
| Simmons Farm | | |
|--------------|------|--|
| RO 80 | | |
| | | |
| | | |
| | | |
| | | |
| | | |

A Brownlee Ave SE, Roanoke, VA 24014

| 1 | 1. | Depart Brownlee Ave SE toward Kindred St SE | 161 ft |
|----------------|-----|--------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| Г) | 2. | Turn right onto Kindred St SE | 479 ft |
| Г) | 3. | Turn right onto Carlisle Ave SE , and then immediately turn right onto Bennington St SE | 0.8 mi |
| Þ | 4. | Turn right onto VA-24 Pass Hess in 1.0 mi | 2.2 mi |
| 11 | 5. | Keep left to stay on VA-24 E / Bypass Rd | 0.4 mi |
| Ą | 6. | Turn right to stay on VA-24 E Pass Exxon in 4.4 mi | 12.4 mi, 17 min |
| ۲) | 7. | Turn right onto Emmaus Church Rd | 0.9 mi |
| Ь | 8. | Turn right onto Goodview Town Rd | 0.9 mi |
| 5 | 9. | Bear left onto Horseshoe Bend Rd | 0.3 mi |
| 1 N | 10. | Arrive at Horseshoe Bend Rd on the left The last intersection is Goodview Town Rd If you reach Mintor Rd, you've gone too far | |

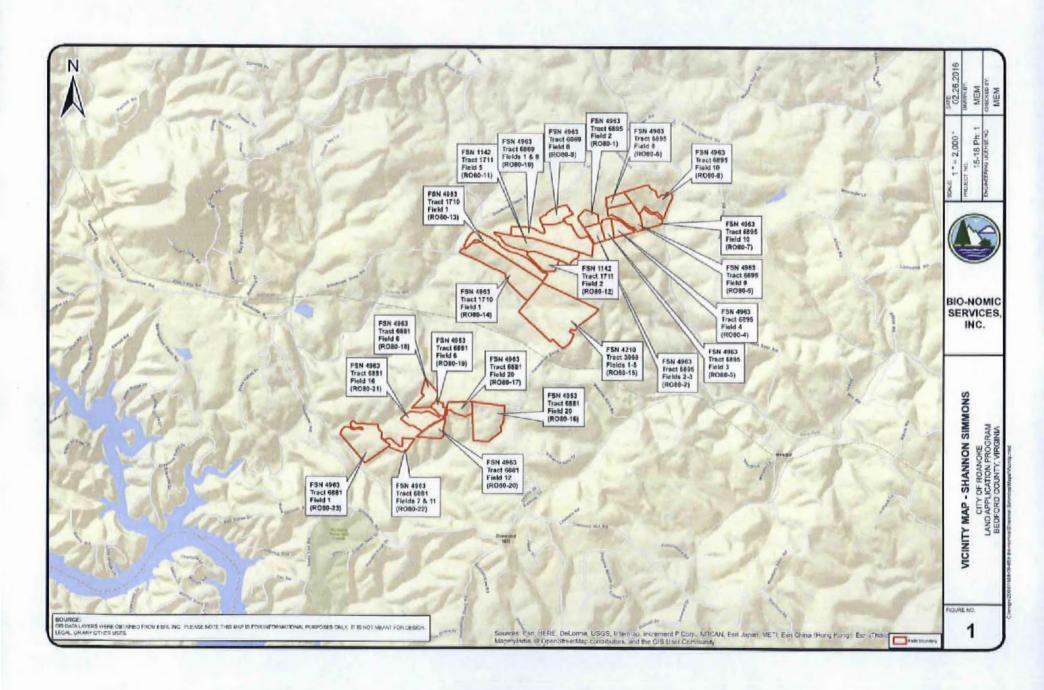
B 1190 Horseshoe Bend Rd, Moneta, VA 24121

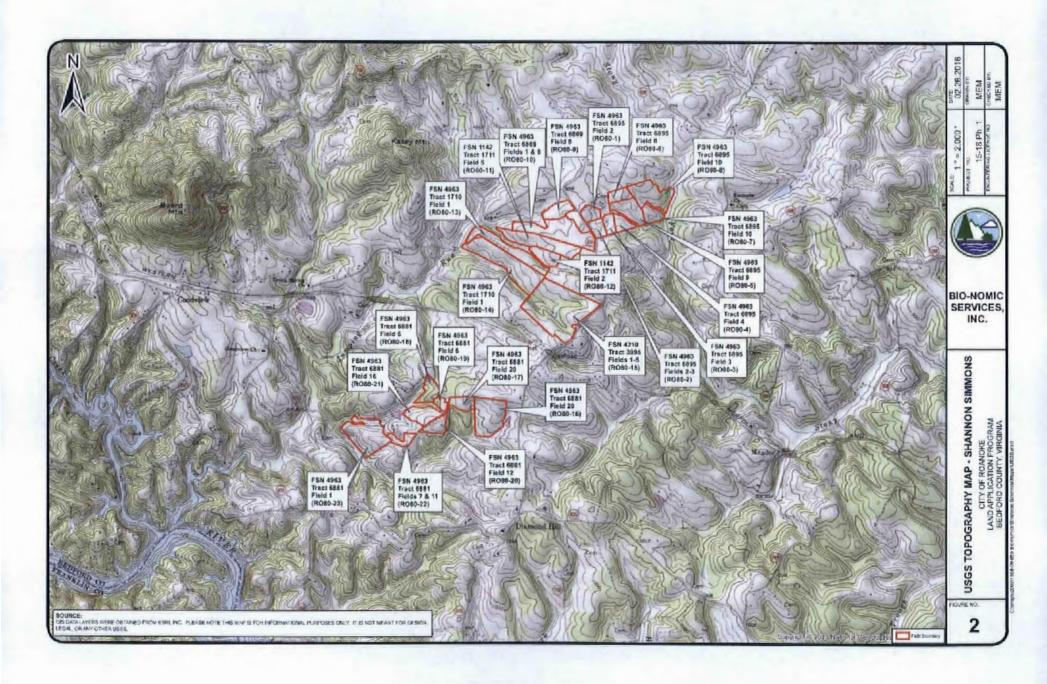


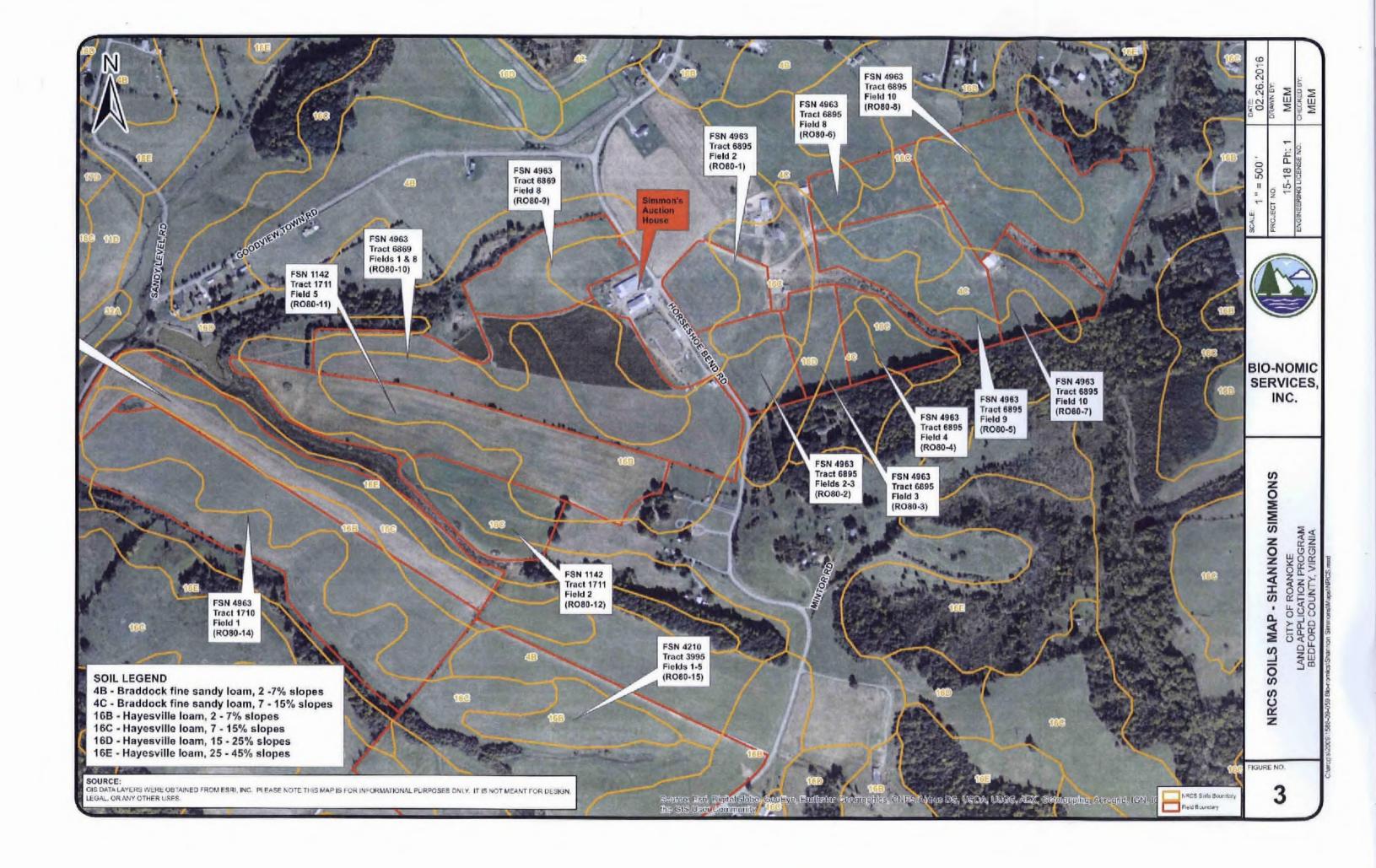


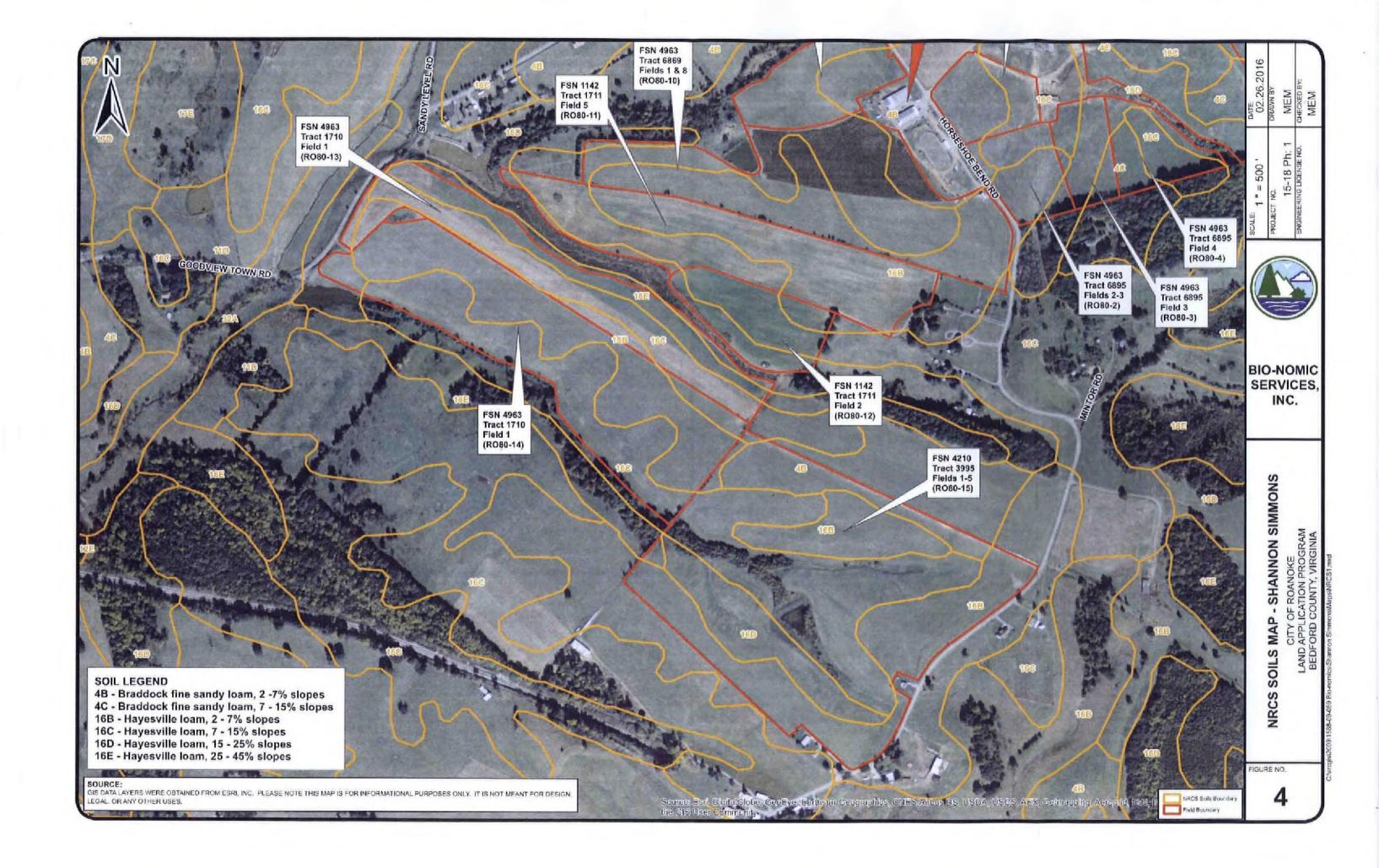


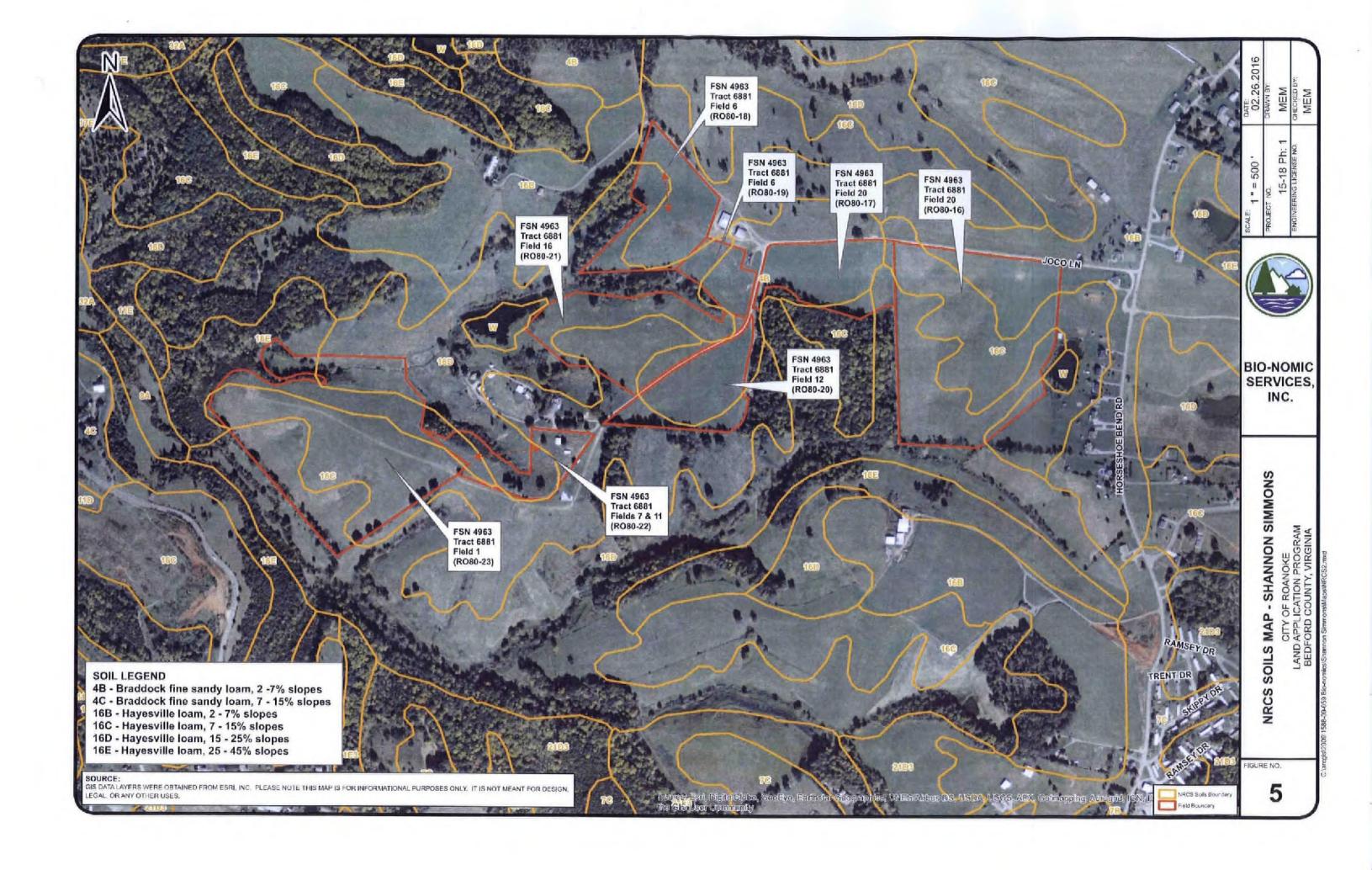
These directions are subject to the Microsoft® Service Agreement and are for informational purposes only. No guarantee is made regarding their completeness or accuracy. Construction projects, traffic, or other events may cause actual conditions to differ from these results. Map and traffic data © 2016 HERE™.

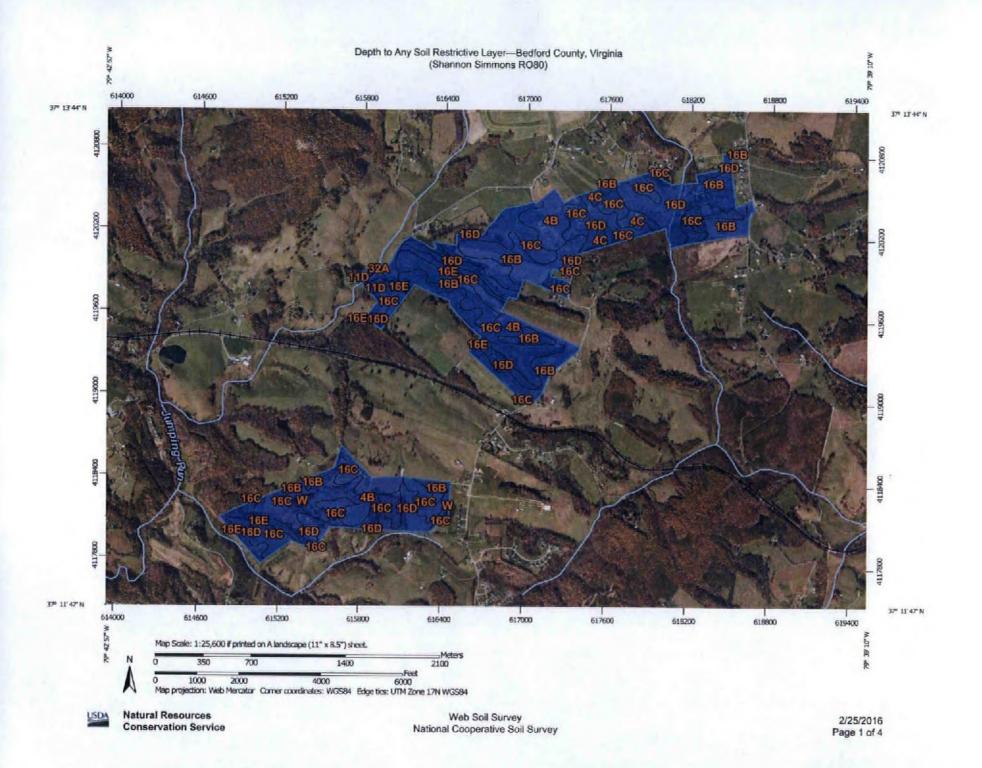












MAP LEGEND

Area of Interest (AOI) Not rated or not available Area of Interest (AOI) Water Features Soils Streams and Canals Soil Rating Polygons Transportation 0 - 25 Rails +++ 25 - 50 Interstate Highways 50 - 100 **US Routes** 100 - 150 Major Roads pes ! 150 - 200 Local Roads > 200 Background Aerial Photography Not rated or not available Soil Rating Lines 25 - 50 50 - 100 100 - 150 150 - 200 > 200 Not rated or not available Soil Rating Points 0 - 25 25 - 50 50 - 100 100 - 150 150 - 200 > 200

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map

Source of Map: Natural Resources Conservation Service Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Bedford County, Virginia Survey Area Data: Version 11, Dec 11, 2013

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 8, 2010—Mar 17, 2011

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Depth to Any Soil Restrictive Layer

| Depth to | Any Soil Restrictive Layer | Summary by Map Unit | - Bedford County, Virgini | a (VA019) |
|--------------------------|--------------------------------------------------------|----------------------|---------------------------|----------------|
| Map unit symbol | Map unit name | Rating (centimeters) | Acres in AOI | Percent of AOI |
| 4B | Braddock fine sandy loam, 2 to 7 percent slopes | >200 | 48.9 | 8.4% |
| 4C | Braddock fine sandy loam, 7 to 15 percent slopes | >200 | 11.6 | 2.0% |
| 11D | Edneytown loam, 15 to 25 percent slopes | >200 | 3.2 | 0.6% |
| 16B | Hayesville loam, 2 to 7 percent slopes | >200 | 122.7 | 21.2% |
| 16C | Hayesville loam, 7 to 15 percent slopes | >200 | 205.9 | 35.5% |
| 16D | Hayesville loam, 15 to 25 percent slopes | >200 | 160.9 | 27.8% |
| 16E | Hayesville loam, 25 to 45 percent slopes | >200 | 21.0 | 3.6% |
| 32A | Toccoa sandy loam, 0 to 2 percent slopes | >200 | 3.2 | 0.6% |
| W | Water | >200 | 2.3 | 0.4% |
| Totals for Area of Inter | rest | | 579.7 | 100.0% |

Description

A "restrictive layer" is a nearly continuous layer that has one or more physical, chemical, or thermal properties that significantly impede the movement of water and air through the soil or that restrict roots or otherwise provide an unfavorable root environment. Examples are bedrock, cemented layers, dense layers, and frozen layers.

This theme presents the depth to any type of restrictive layer that is described for each map unit. If more than one type of restrictive layer is described for an individual soil type, the depth to the shallowest one is presented. If no restrictive layer is described in a map unit, it is represented by the "> 200" depth class.

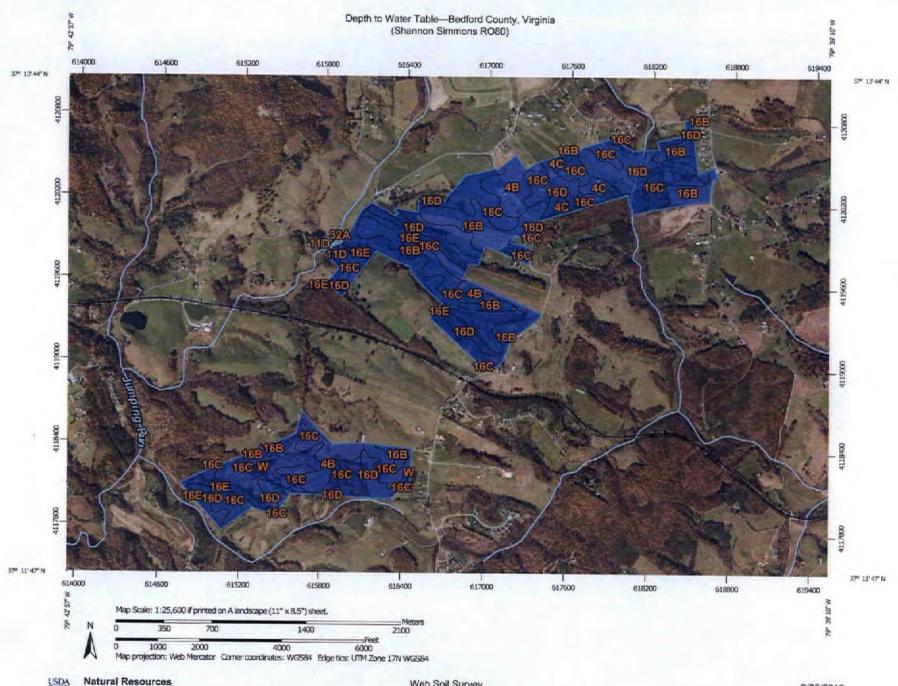
This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Rating Options

Units of Measure: centimeters

Aggregation Method: Dominant Component Component Percent Cutoff: None Specified

Tie-break Rule: Lower Interpret Nulls as Zero: No



Depth to Water Table—Bedford County, Virginia (Shannon Simmons RO80)

MAP LEGEND

Area of Interest (AOI) Not rated or not available Area of Interest (AOI) Water Features Soils Streams and Canals Soil Rating Polygons Transportation 0 - 25 Rails 25 - 50Interstate Highways 50 - 100 **US Routes** 100 - 150 Major Roads 150 - 200 Local Roads > 200 Background Aerial Photography Not rated or not available Soil Rating Lines 0 - 25 50 - 100 100 - 150 150 - 200 > 200 Not rated or not available Soil Rating Points 0-25 25 - 50 50 - 100 100 - 150 150 - 200

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Bedford County, Virginia Survey Area Data: Version 11, Dec 11, 2013

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 8, 2010—Mar 17, 2011

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Depth to Water Table

| Map unit symbol | Map unit name | Rating (centimeters) | Acres in AOI | Percent of AOI |
|--------------------------|--------------------------------------------------------|----------------------|--------------|----------------|
| 4B | Braddock fine sandy loam, 2 to 7 percent slopes | >200 | 48.9 | 8.4% |
| 4C | Braddock fine sandy loam, 7 to 15 percent slopes | >200 | 11.6 | 2.0% |
| 11D- | Edneytown loam, 15 to 25 percent slopes | >200 | 3.2 | 0.6% |
| 16B | Hayesville loam, 2 to 7 percent slopes | >200 | 122.7 | 21.2% |
| 16C | Hayesville loam, 7 to 15 percent slopes | >200 | 205.9 | 35.5% |
| 16D | Hayesville loam, 15 to 25 percent slopes | >200 | 160.9 | 27.8% |
| 16E | Hayesville loam, 25 to 45 percent slopes | >200 | 21.0 | 3.6% |
| 32A | Toccoa sandy loam, 0 to 2 percent slopes | 114 | 3.2 | 0.6% |
| W | Water | >200 | 2.3 | 0.4% |
| Totals for Area of Inter | est | | 579.7 | 100.0% |

Description

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

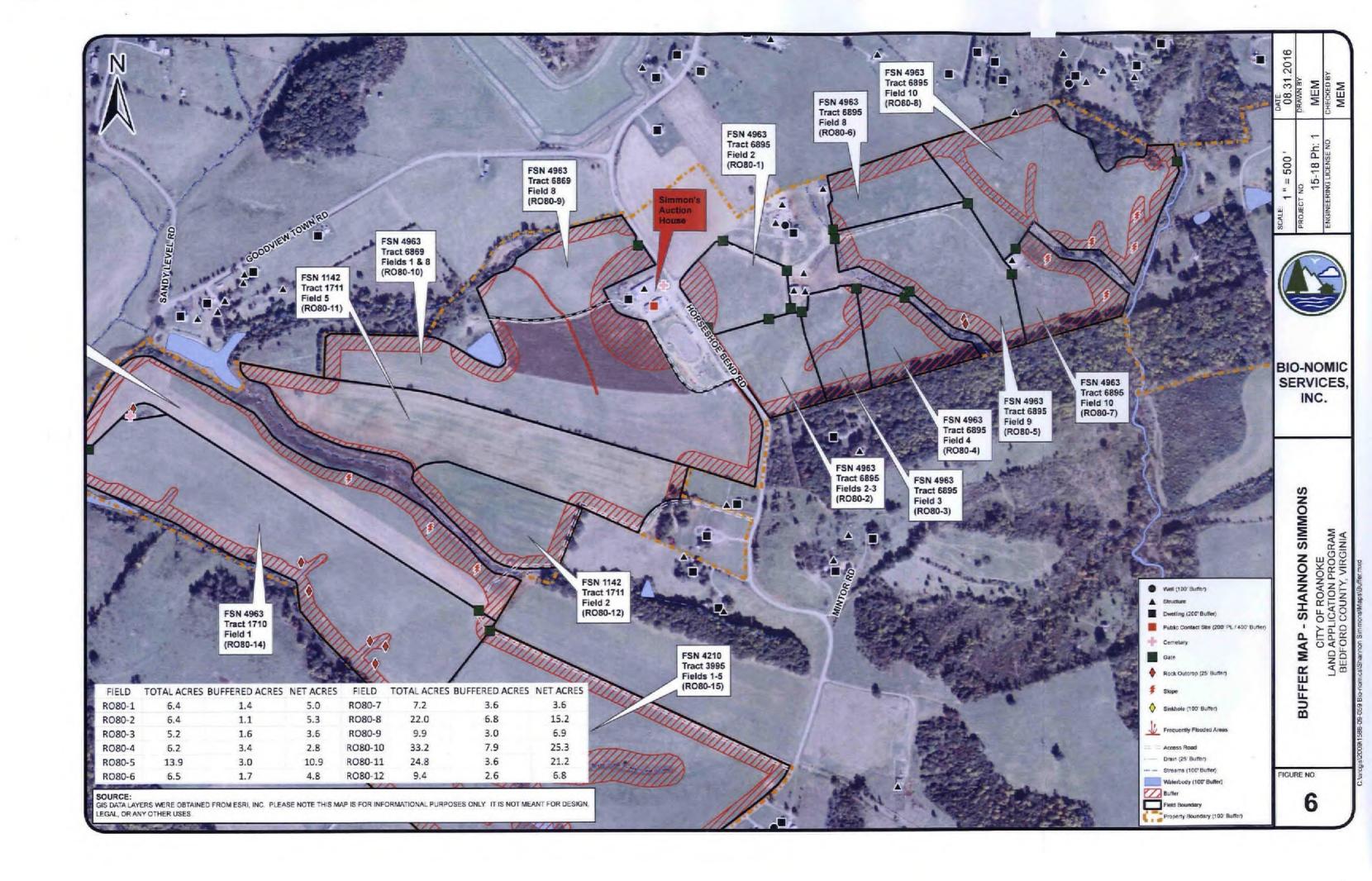
Rating Options

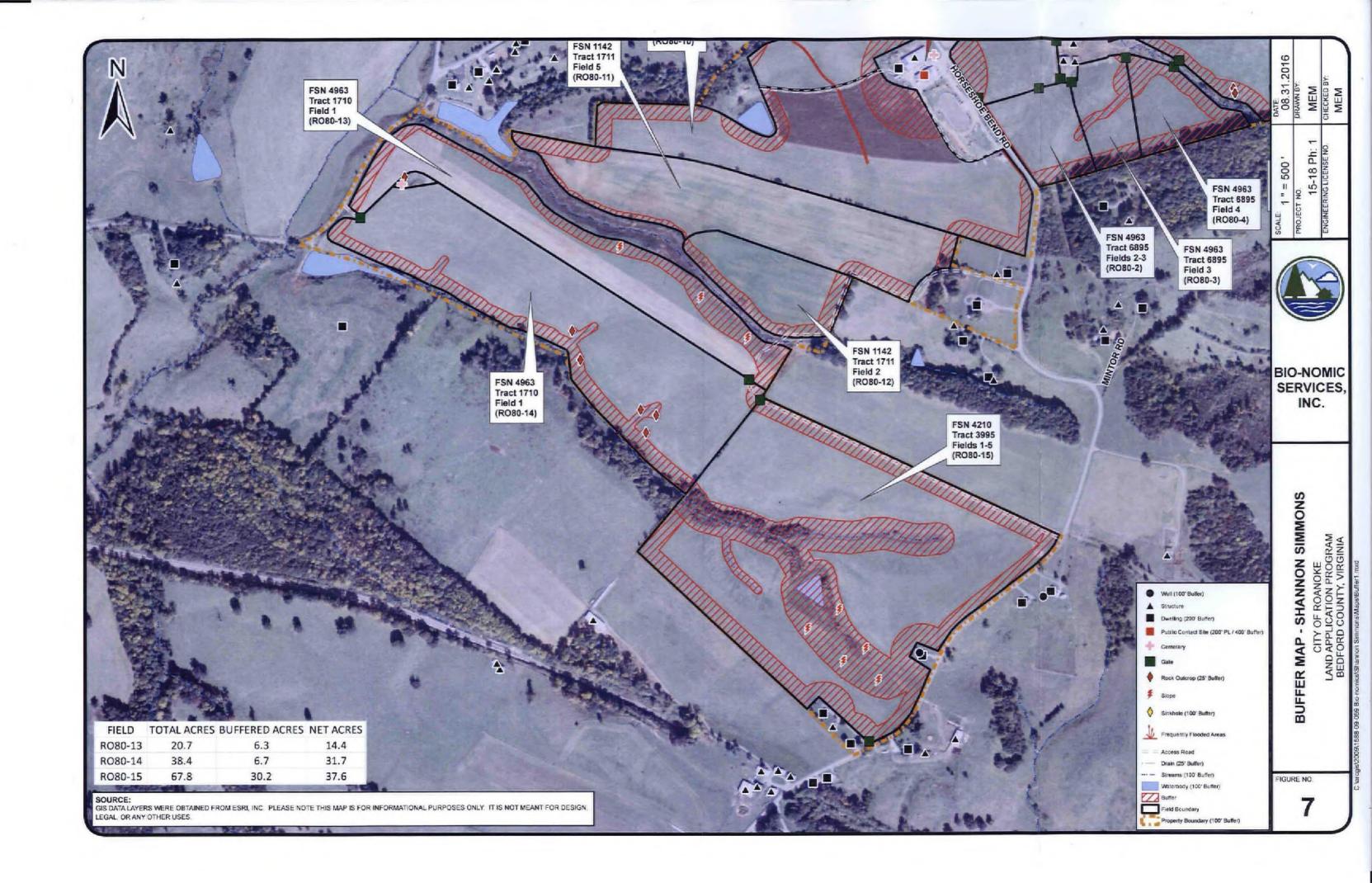
Units of Measure: centimeters

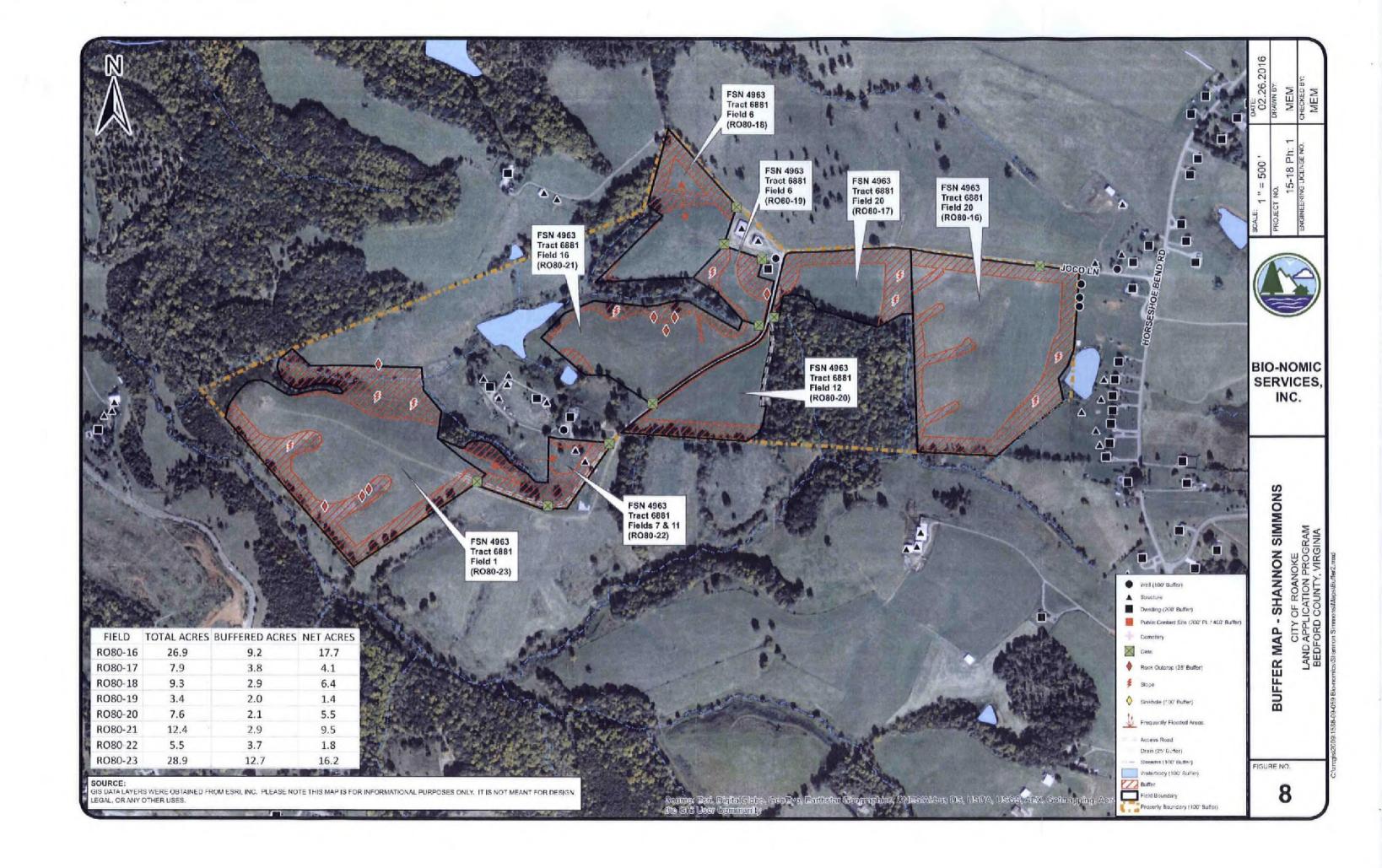
Aggregation Method: Dominant Component Component Percent Cutoff: None Specified

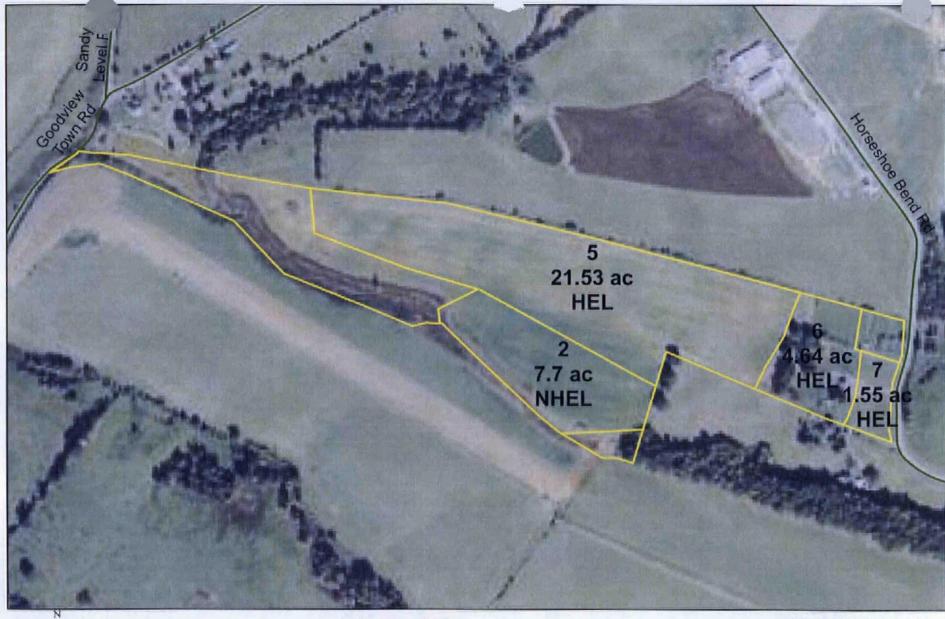
Tie-break Rule: Lower

Interpret Nulls as Zero: No Beginning Month: January Ending Month: December









+

1 inch = 416 feet

Farm: 1142 Tract: 1711

Medical Colomication Marchines

Westerland United

County Security of Carolines Playante

Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original dermination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



Bedford County, VA

Jan. 13, 2016



+

1 inch = 253 feet

Farm: 4210 Tract: 6863

Whether Refermineston Metables

Sectorical Unit

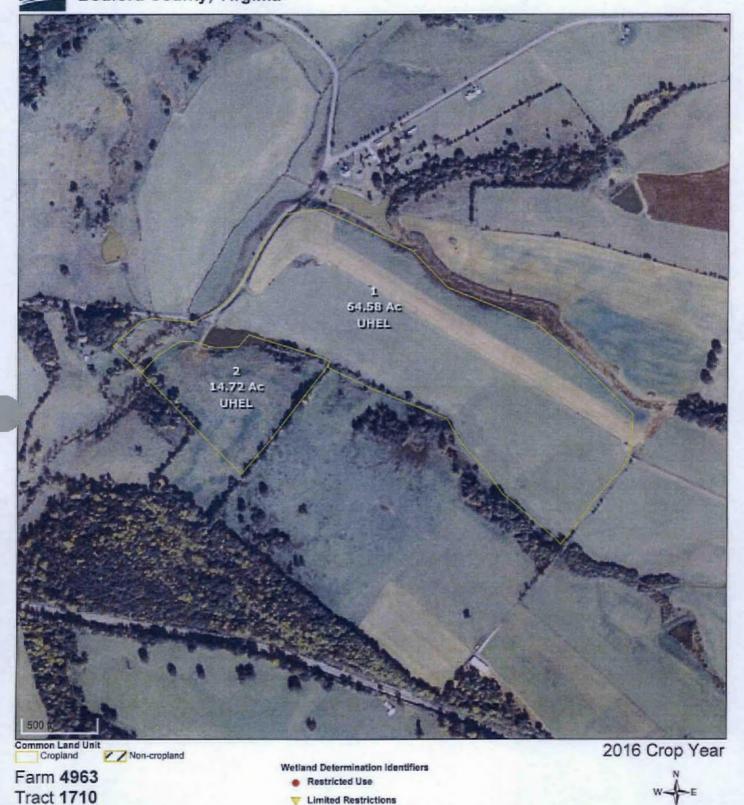
Drawel Sand Section Colors Contained Playment

Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original dermination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



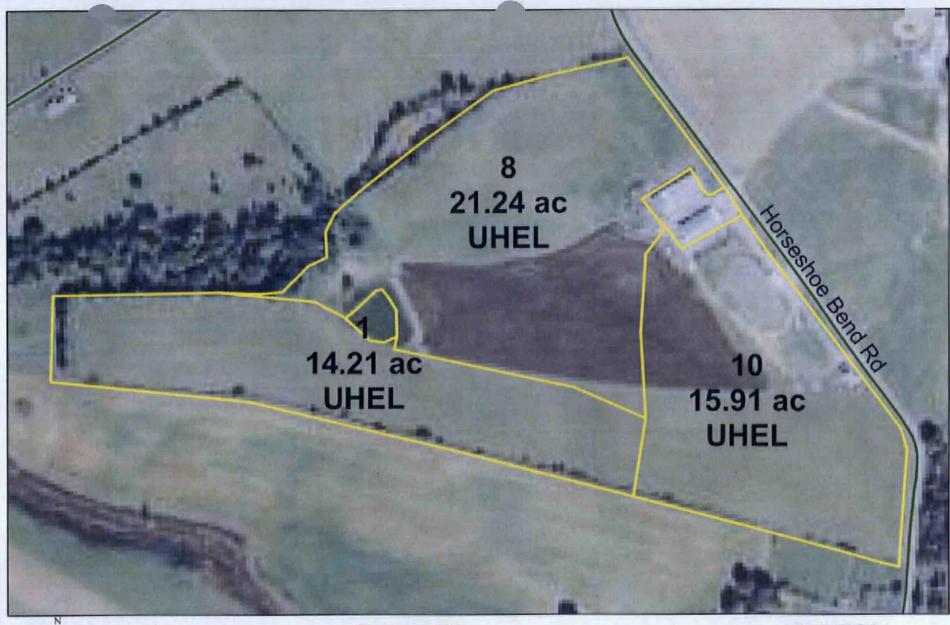
Bedford County, VA

Jan 5, 2015



United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs 'Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).

■ Exempt from Conservation Compliance Provisions



+

1 inch = 293 feet

Farm: 4963 Tract: 6869

Wirthest Enternieriten tiereitern

Variati State ob seas

Francisco Victorial es Complexes (Victorial

Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original dermination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



Bedford County, VA

Jan 5, 2015



1

1 inch = 585 feet

Farm: 4963 Tract: 6881

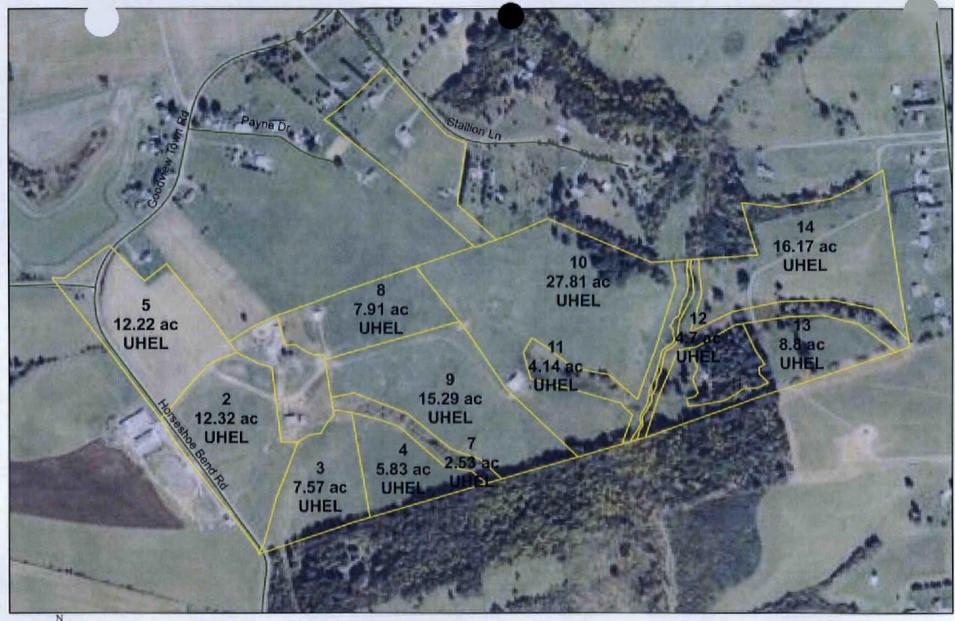
Stocketed Referenteellen Merchinen Greekende Oms

Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original dermination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



Bedford County, VA

Dec. 29, 2015



1

1 inch = 538 feet

Farm: 4963 Tract: 6895

Works of Enformine State State

Complete Catalogical Conference Contract

Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original dermination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



Bedford County, VA

Dec. 29, 2015

Page 1 of 2

Report Number: 16-098-0509

Account Number: 45671

Waypoint W

7621 Whitepine Road, Ríchmond, VA 23237 Main 804-743-9401 ° Fax 804-271-6446 www.waypointanalytical.com

Send To: BIO-NOMIC SERVICES INC

Joel Coert

516 ROUNDTREE RD CHARLOTTE NC 28217 "Every acre...Every year." m

Grower: SIMMONS

Submitted By: DON GREENE

Farm ID: RO_{'80}

SOIL ANALYSIS REPORT

Analytical Method(s):

Lime Index Mehlich

Mehlich 3 Loss On Ignition

Vater pH

Date Received: 04/07/2016

Date Of Analysis: 04/08/2016

Date Of Report: 04/08/2016

| 0 | | OM | W/V | ENR | | Phosph | orus | | | Potassiu | m | Magnes | sium | Calcium | Sodium | p | Н | Acidity | C.E.C |
|-----------------------|---------------|-----------|---------------|-------|--------------------|--------|------|-----|------|-------------------|-----|-----------|-----------|----------------|----------------|------------|-----------------|---------------|----------|
| Sample ID Field ID | Lab Number | % Rate | Soil Class | lbs/A | M3 ppm Rate | ppm | Rate | ppm | Rate | K ppm Ra | te | Mg ppm |) Rate | Ca ppm Rate | Na ppm Rate | Soil pH | Buffer Index | H meq/100g | meq/100g |
| 80-1 | 06778 | 3.5 M | MIN | 108 | 91 H NC = 76 | | | | | 46 VI NC = 24 | - 1 | 154 | Н | 1055 M | | 5.9 | 6.79 | 1.4 | 8.1 |
| 80-2 | 06779 | 3.9 M | MIN | 117 | 37 M NC = 31 | | | | | 40 VI NC = 20 | - 1 | 129 | М | 902 M | | 5.6 | 6.76 | 1.7 | 7.4 |
| 80-3 | 06781 | 4.4 M | MIN | 123 | 125 VH NC = 104 | | | | | 283 VI NC = 14 | | 190 | н | 1542 H | | 6.7 | | 0.5 | 10.5 |
| 80-4 | 06782 | 6.5 H | MIN | 150 | 258 VH NC = 215 | | | | | 439 VI NC = 22 | 1 | 282 | н | 2062 H | | 6.7 | | 0.6 | 14.4 |
| 80-5 | 06783 | 6.4 H | MIN | 150 | 191 VH NC = 159 | | | | | 651 VI | | 147 | L | 2615 H | | 7.0 | | 0.0 | 16.0 |

| | | Perce | nt Base | Saturati | on | Nitrate Sulfur | | Zinc | Manganese | Iron | Copper | Boron | Soluble Salts | Chloride | Aluminum |
|-----------------------|--------|---------|---------|----------|--------|-------------------------------|---------------|----------------|----------------|----------------|----------------|---------------|------------------|----------------|-----------|
| Sample:ID Field ID | K % | Mg % | Ca % | Na % | Н % | NO ₃ N ppm Rate | S ppm Rate | Zn ppm Rate | Mn ppm Rate | Fe ppm Rate | Cu ppm Rate | B ppm Rate | SS ms/cm Rate | CI ppm Rate | Al ppm |
| 80-1 | 1.5 | 15.8 | 65.1 | | 17.3 | | | | | · , · | | | | | |
| 80-2 | 1.4 | 14.5 | 60.9 | | 23:0 | | | | | | 77.11 | | | | |
| 80-3 | 6.9 | 15.1 | 73.4 | | 4.8 | | | | | | | | - - | | |
| 80-4 | 7.8 | 16.3 | 71.6 | | 4.2 | , | | · | | | | | | <u> </u> | |
| 80-5 | 10.4 | 7.7 | 81.7 | | 0.0 | | | | | | | | | | |

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: Pauric Mc George

Page 2 of 2

Report Number: 16-098-0509

Account Number: 45671



7621 Whitepine Road, Richmond, VA 23237 Main 804-743-9401 ° Fax 804-271-6446 www.waypointanalytical.com

Send To: BIO-NOMIC SERVICES INC

Joel Coert

516 ROUNDTREE RD CHARLOTTE NC 28217 "Every acre...Every year." TM

Grower: SIMMONS

Submitted By: DON GREENE

Farm ID: RO 80

SOIL ANALYSIS REPORT

Analytical Method(s):

Lime Index Mehlich 3 Loss On Ignition Water pH

Date Received: 04/07/2016

Date Of Analysis: 04/08/2016

| Date | Or Report: | 04/06/2 | 2010 | |
|------|------------|---------|------|--|
| | | | | |

| 0 1 - 11 | | ОМ | W/V | ENR | | Phosphorus | | Potassium | Magnesium | Calcium | Sodium | р | Ĥ | Acidity | C.E.C |
|-----------------------|---------------|-----------|---------------|-------|--------------------|------------|----------|--------------------|----------------|----------------|----------------|------------|-----------------|---------------|----------|
| Sample ID Field ID | Lab Number | % Rate | Soil Class | lbs/A | M3 ppm Rate | ppm Rate | ppm Rate | K ppm Rate | Mg ppm Rate | Ca ppm Rate | Na ppm Rate | Soil pH | Buffer Index | H meq/100g | meq/100g |
| 80-6 | 06784 | 4.3 M | MIN | 124 | 277 VH NC = 231 | | | 369 VH NC = 189 | 88 L | 1117 M | | 6.1 | 6.81 | 1.2 | 8.5 |
| 1 1 | 4: B | | Page Cotu | 41 | Niterata | 0.06 | 71-0 | Managana | lana | Connec | Barra | | 0-14- | Chlorida | Almeria |

| | | Perce | nt Base | Saturatio | on | Nitrate | Sulfur | Zinc | Manganese | Iron | Copper | Boron | Soluble Salts | Chloride | Aluminum |
|-----------------------|--------|---------|---------|-----------|--------|-------------------------------|---------------|----------------|----------------|----------------|----------------|---------------|------------------|----------------|-----------|
| Sample ID Field ID | K % | Mg % | Ca % | Na % | H % | NO ₃ N ppm Rate | S ppm Rate | Zn ppm Rate | Mn ppm Rate | Fe ppm Rate | Cu ppm Rate | B ppm Rate | SS ms/cm Rate | CI ppm Rate | Al ppm |
| 80-6 | 11.1 | 8.6 | 65.7 | | 14.1 | | | | | | | | | | |

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meg/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

Page 1 of 1

Report Number: 16-098-0526

Account Number: 45671

Send To: BIO-NOMIC SERVICES INC

Joel Coert

516 ROUNDTREE RD CHARLOTTE NC 28217



7621 Whitepine Road, Richmond, VA 23237 Main 804-743-9401 ° Fax 804-271-6446 www.waypointanalytical.com

"Every acre...Every year." 74

Grower: SIMMONS

Farm ID: RO 80

SOIL ANALYSIS REPORT

Analytical Method(s):

Lime Index Mehlich 3 Loss On Ignition Water pH

Data Baselyada 04/07/2016

Date Of Penart: 04/08/2016

| | | ОМ | W/V | ENR | | Phosphorus | | Potassium | Magnesium | Calcium | Sodium | þ | H | Acidity | C.E.C |
|-----------------------|---------------|-----------|---------------|--------|--------------------|------------|----------|--------------------|----------------|----------------|----------------|------------|-----------------|----------|----------|
| Sample ID Field ID | Lab Number | % Rate | Soil Class | lbs/A | M3 ppm Rate | ppm Rate | ppm Rate | K ppm Rate | Mg ppm Rate | Ca ppm Rate | Na ppm Rate | Soil pH | Buffer Index | | meq/100g |
| 80-7 | 06791 | 4.7 M | MIN | 126 | 189 VH NC = 157 | | | 495 VH NC = 253 | 286 H | 1792 M | | 6,9 | | 0.2 | 12.8 |
| 80-8 | 06792 | 3.7 M | WİN | 110 | 138 VH NC = 115 | | | 229 VH NC = 117 | 104 L | 1567 H | | 6.7 | | 0.4 | 9.7 |
| 80-9 | 06793 | 2.4 L | MIN | 86 | 87 H NC = 72 | | | 31 VL NC = 16 | 78 L | 1571 VH | · · · · · | 6.9 | | 0.1 | 8.7 |
| 80-10 | 06794 | 2.3 L | MIN | 89 | 36 M NC = 30 | | | 18 VL NC = 9 | 42 L | 675 M | | 5.5 | 6.80 | 1.3 | 5.1 |
| - | | orcent l | Base Satu | ration | Nitrate | Sulfur | Zinc | Manganese | Iron | Conner | Boron | Caluble | Salts | Chloride | Aluminio |

| | | Perce | nt Base | Saturati | on | Nitrate | Sulfur | Zinc | Manganese | Iron | Copper | Boron | Soluble Salts | Chloride | Aluminum |
|-----------------------|--------|---------|---------|----------|--------|-------------------------------|---------------|----------------|----------------|----------------|----------------|---------------|------------------|----------------|-----------|
| Sample ID Field ID | К % | Mg % | Ca % | Na % | H % | NO ₃ N ppm Rate | S ppm Rate | Zn ppm Rate | Mn ppm Rate | Fe ppm Rate | Cu ppm Rate | B ppm Rate | SS ms/cm Rate | CI ppm Rate | AJ ppm |
| 80-7 | 9.9 | 18.6 | 70.0 | | 1.6 | | | | | | | | | | |
| 80-8 | 6.1 | 8.9 | 80.8 | | 4.1 | | | | | | | | | | |
| 80-9 | 0.9 | 7.5 | 90.3 | | 1.1 | | | | | | | | | | |
| 80-10 | 0.9 | 6.9 | 66.2 | | 25.5 | | | | | | | | | | |

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meg/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

Page 1 of 3

Report Number: 16-098-0529

Account Number: 45671

Waypoint ANALYTICAL

7621 Whitepine Road, Richmond, VA 23237 Main 804-743-9401 ° Fax 804-271-6446 www.waypointanalytical.com

Send To: BIO-NOMIC SERVICES INC

Joel Coert

516 ROUNDTREE RD CHARLOTTE NC 28217 "Every acre...Every year." TM

Grower: SIMMONS

Submitted By: DON GREENE

Farm ID: RO 80 SOIL ANALYSIS REPORT

Analytical Method(s):

Lime Index Mehlich 3 Loss On Ignition Water pH

Date Received: 04/07/2016

Date Of Analysis: 04/08/2016

Date Of Report: 04/08/2016

| | 1 | ОМ | W/V | ENR | | Phosph | orus | | | Potassium | Magne | sium | Calc | um: | Sodium | р | Н | Acidity | C.E.C |
|-----------------------|---------------|-----------|---------------|-------|-----------------|--------|------|------|------|------------------|----------|-----------|-----------|-----|----------------|------------|-----------------|---------------|----------|
| Sample ID Field ID | Lab Number | % Rate | Soll Class | lbs/A | M3 ppm Rate | ppm | Rate | bbii | Rate | K ppm Rate | M ppm | g Rate | Ca ppm | | Na ppm Rate | Soil pH | Buffer Index | H meq/100g | meq/100g |
| 80-11 | 06824 | 3.2 M | MIN | 107 | 60 H NC = 50 | | | | | 50 L NC = 26 | 94 | н | 474 | М | | 5.4 | 6.80 | 1.3 | 4.6 |
| 80-12 | 06825 | 2.6 M | MIN | 97 | 37 M NC = 31 | | _ | | | 41 L NC = 21 | 92 | Н | 379 | Ļ | | 5.5 | 6.83 | 1.0 | 3.8 |
| 80-13 | 06826 | 4.0 M | MIN | 113 | 44 M NC = 37 | | | | | 34 VL NC = 17 | 88 | L | 2207 | VH | | 7.4 | | 0.0 | 11.9 |
| 80-14 | 06827 | 4.4 M | MIN | 125 | 51 H NC = 42 | | | | | 30 VL NC = 15 | 74 | L | 1457 | н | | 6.4 | | 0.8 | 8.8 |
| 80-15 | 06828 | 3.6 M | MIN | 104 | 61 H NC = 51 | | | | - | 24 VL NC = 12 | 106 | L | 2380 | VH | | 7.6 | | 0.0 | 12.8 |

| | | | | | | | | | | | | | | | <u> </u> |
|-----------------------|--------|---------|---------|----------|--------|---------------------------------------|---------------|-------------------|----------------|----------------|----------------|---------------|------------------|----------------|-----------|
| | | Perce | nt Base | Saturati | on | Nitrate | Sulfur | Zinc | Manganese | lron | Copper | Boron | Soluble Salts | Chloride | Aluminum |
| Sample ID Field ID | K % | Mg % | Ca % | Na % | H % | NO ₃ N ppm Rate | S ppm Rate | .Zn⊨ ppm⊨ Rate | Mn ppm Rate | Fe ppm Rate | Cu ppm Rate | B ppm Rate | SS ms/cm Rate | CI ppm Rate | Al ppm |
| 80-11 | 2.8 | 17:0 | 51.5 | | 28.3 | · · · · · · · · · · · · · · · · · · · | | | | | | | | | |
| 80-12 | 2:8 | 20.2 | 49.9 | | 26.3 | | - | | | | | | | : | |
| 80-13 | 0.7 | 6.2 | 92.7 | | 0.0 | | - | | | | - | | | | |
| 80-14 | 0.9 | 7.0 | 82.8 | | 9.1 | | | | | | | | 1 | | |
| 80-15 | 0.5 | 6.9 | 93.0 | | 0.0 | | , | | | | ` | | ` . | | |

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meg/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: Paurie Mc George

Page 2 of 3

Report Number: 16-098-0529

Account Number: 45671

Send To: BIO-NOMIC SERVICES INC

Joel Coert

516 ROUNDTREE RD CHARLOTTE NC 28217



7621 Whitepine Road, Richmond, VA 23237 Main 804-743-9401 ° Fax 804-271-6446 www.waypointanalytical.com

"Every acre...Every year." TH

Grower: SIMMONS

Submitted By: DON GREENE

Farm ID: RO 80

SOIL ANALYSIS REPORT

Analytical Method(s):

Lime Index Mehlich 3 Loss On Ignition Water pH

Date Received: 04/07/2016

Date Of Analysis: 04/08/2016

Date Of Report: 04/08/2016

| | | OM | W/V | ENR | | Phosph | orus | | | Potassium | Magne | sium | Calc | ium | Sodium | Р | H. | Acidity | C.E.C |
|-----------------------|---------------|-----------|---------------|-------|--------------------|--------|----------------------------------------------|-----|------|------------------|----------|-----------|-----------|-----------|----------------|------------|-----------------|---------------|----------|
| Sample ID Field ID | Lab Number | % Rate | Soil Class | lbs/A | M3 ppm Rate | ppm | Rate | ppm | Rate | K ppm Rate | M ppm | g Rate | Ca ppm | a Rate | Na ppm Rate | Soil pH | Buffer Index | H meq/100g | meq/100g |
| 80-16 | 06829 | 3.8 M | MIN | 111 | 112 VH NC = 93 | | | | | 22 VL NC = 11 | 132 | M | 1801 | VH | | 6:8 | | 0.3 | 10.5 |
| 80-17 | 06830 | 3.3 M | MIN | 103 | 84 H NC = 70 | | | | | 21 VL NC = 11 | 81 | L | 1685 | VH | | 7.0 | | 0.0 | 9.2 |
| 80-18 | 06831 | 3.9 M | MIN | 118 | 11 VL NC = 9 | | | | - | 48 VL NC = 25 | 79 | ·L | 958 | M | | 5.8 | 6.80 | 1.3 | 6.9 |
| 80-19 | 06832 | 3.5 M | MIN | 108 | 136 VH NC = 113 | | | | | 47 VL NC = 24 | 54 | VL | 1551 | VH | | 6.9 | | 0.1 | 8.4 |
| 80-20 | 06833 | 4.7 M | MIN | 130 | 150 VH NC = 125 | | <u>, </u> | | | 24 VL NC = 12 | 127 | М . | 1468 | Η. | | 6.3 | | , 1.0 | 9.5 |

| | | ! | | | | | | | | | t | | <u> </u> | | <u> </u> |
|-----------------------|------------|---------|---------|----------|--------|-------------------|----------|----------|----------------|----------|----------|------------|---------------|----------|----------|
| | <u>i</u> . | Perce | nt Base | Saturati | ón | Nitrate | Sulfur | Zinc | Manganese | Iron | Copper | Boron | Soluble Salts | Chloride | Aluminum |
| Sample ID Field ID | К % | Mg % | Ca % | Na % | H % | NO ₃ N | S Bata | Zn Pete | Mn ppm Rate | Fe Boto | Cu | B Parts | SS : | Cli | Al |
| | /0 | . /0 | /0 | . /0 | /* | ppm Rate | ppm Rate | ppm Rate | ppm Rate | ppm Rate | ppm Rate | ppm Rate | ms/cm Rate | ppm Rate | ppm |
| 80-16 | 0.5 | 10.5 | 85.8 | | 2.9 | : | | | | | | | | | |
| 80-17 | 0.6 | 7.3 | 91.6 | | 0.0 | | | | | | · · · | | | | |
| 80-18 | 1.8 | 9.5 | 69.4 | | 18.8 | | | | | | | | | | |
| 80-19 | 1,4 | 5.4 | 92:3 | | 1.2 | | | | | | | | | | |
| 80-20 | 0:6 | 11.1 | 77.3 | | 10.5 | | | | | : | | | | | |

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm \times 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

Page 3 of 3

Report Number: 16-098-0529

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7621 Whitepine Road, Richmond, VA 23237 Main 804-743-9401 ° Fax 804-271-6446 www.waypointanalytical.com

"Every acre...Every year." TH

Grower: SIMMONS

Submitted By: DON GREENE

Farm ID: RO 80

SOIL ANALYSIS REPORT

Analytical Method(s):

Lime Index Mehlich 3 Loss On Ignition

Water pH

Date Received: 04/07/2016

Date Of Analysis: 04/08/2016

Date Of Report: 04/08/2016

| Sample ID Field ID | | ОМ | . W/V | ENR | i . <u></u> | Phosph | orus | | Potassium | Magne | sium | Calcium | Sodium | 1 рН | | Acidity | C.E.C |
|-----------------------|---------------|-----------|---------------|-------|--------------------|--------|------------------|----------|--------------------|----------|-----------|----------------|----------------|------------|-----------------|---------------|----------|
| | Lab Number | % Rate | Soll Class | lbs/A | M3 ppm Rate | ppm | Rate | ppm Rate | K ppm Rate | M ppm | g Rate | Ca ppm Rate | Na ppm Rate | Soil pH | Buffer Index | H meq/100g | meq/100g |
| 80-21 | 06835 | 5:3 H | MIN | 140 | 205 VH NC = 171 | | | | 29 VL NC = 15 | 81 | L | 1744 H | | 6.1 | 6.78 | 1.5 | 11.0 |
| 80-22 | 06836 | 7.0 VH | MIN | 150 | 152 VH NC = 127 | | | | 269 VH NC = 138 | 252 | M | 2604 H | | 7.1 | | 0.0 | 15.8 |
| 80-23 | 06837 | 5.3 H | MIN | 139 | 203 VH NC = 169 | | · - · | | 228 VH NC = 117 | 147 | М | 1810 H | | 6.5 | | 0.9 | 11.8 |

| Sample ID Field ID | | Perce | nt Base | Saturati | on | Nitrate | Sulfur | Zinc | Manganese | lron . | Copper | Boron | Soluble Salts | Chloride | Aluminum |
|-----------------------|--------|---------|---------|----------|--------|-------------------------------|---------------|----------------|----------------|----------------|----------------|---------------|------------------|----------------|-----------|
| | K % | Mg % | Ca % | Na % | H % | NO ₃ N ppm Rate | S ppm Rate | Zn ppm Rate | Mn ppm Rate | Fe ppm Rate | Cu ppm Rate | B ppm Rate | SS ms/cm Rate | CI ppm Rate | Al ppm |
| 80-21 | 0.7 | 6.1 | 79.3 | | 13.6 | | | | : | | | | | | |
| 80-22 | 4.4 | 13.3 | 82.4 | | 0.0 | | | | | | | : | | | |
| 80-23 | 5.0 | 10.4 | 76.7 | | 7.6 | | | | | | | | | | |

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

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